

1999 Maclean's rankings

Find out where the University of Alberta lands.

2

The brave new world of reproductive technology

As bioethicists warn of creating a "super-human society," an Internet site starts selling super-model ova.

3

Rocky Mountain adventures

Netting alpine butterflies isn't as easy as you think.

16



UNIVERSITY OF ALBERTA

folio

Volume 37 Number 6

NOVEMBER 12, 1999

<http://www.ualberta.ca/folio>

Running in circles

Native Student Services coordinator wants tradition-based business practices

By Dan Carle

When Lewis Cardinal began his new position as coordinator of Native Student Services (NSS) in September, his first order of business was to ensure everything didn't run according to strict, linear, western principles. That's because he and the staff want to see things run in egalitarian circles, which he believes better mirrors his peoples' traditions.

Cardinal has dismantled hierarchical paradigms and has leveled the decision-making structure of NSS. He has implemented consensus-based talk circles to solve problems and conduct business. He hopes these in-the-round discussions will provide an example to other aboriginal groups by suggesting it's acceptable to be traditional.

"Hierarchical structure is killing my people politically, physically and spiritually—and I take that personally," said Cardinal. A charismatic man, the 37-year-old does not call himself director of NSS, because director means top-down power and influence. The power, he says, is in the community. He calls himself a coordinator, and is a passionate organizer who has flattened traditional top-down decision-making structures within his office.

"The hierarchy talks about the collection of wealth and the collection of power. The circle talks about the sharing of power, the sharing of wealth. That is the difference and that is the motivator." He would like to see the circular tradition in all aboriginal decision-making structures within the University of Alberta Aboriginal Advisory Committee. It is an ambitious effort, but one Cardinal feels will help improve a 66 per cent dropout or transfer rate among the Uni-



Talk circles in Native Student Services (from left): Greg Cardinal, Charlene Longmore, Cathy Sewell, Lewis Cardinal, Denise Kurszewski, Denise Ward, Jane Martin and Angela Wolfe.

versity of Alberta's 900 aboriginal students.

"I am tired of watching my family failing within the educational system. A part of our nation building is happening through education," he said.

"He has this energy, this beautiful energy that makes people listen to him, and he encourages people to think about a change in the paradigm," said Melody Goodstriker, a current member and former president of the University of Alberta Aboriginal Student Council.

Cardinal, with motives and motivation clearly circular, is straightforward in his thinking for the need to shift the paradigm from up and down to around.

"The fact is we have done more in the last two months than this office has done in the last two years," he said. "What

we're experiencing in this hierarchy is we can't get a door replaced for weeks, until it goes through the system, and comes back because certain people in certain positions have to okay the funding. How-

"Hierarchical structure is killing my people politically, physically and spiritually—and I take that personally."

— Lewis Cardinal, coordinator, Native Student Services

environment," said Derrick Houle, president, U of A Aboriginal Student Council. "We're trying to put together a more vocal native community. We're following the same system Lewis is setting up,

which is to try and break down the hierarchy."

This shift is nothing new for Cardinal, a Sucker Creek First Nations Woodland Cree originally from High Prairie. This passion is in his blood.

"Ever since I was a child I've always been working diplomatically—stopping fights, getting people to talk, that sort of thing. My father and generations before him were diplomats themselves... So this is an inherited trait and an inherited responsibility," said Cardinal. "My father always told me our people have much to offer the world. It's not about how much power you have, and that is the paradigm difference."

A shift in paradigms means a shift in thinking, which is often not implemented quickly in large bureaucracies like the university.

"He's getting things moving there, and whether that's the paradigm or just him I don't know. He's got strong leadership skills," said Frank Tough, director, School of Native Studies. "Can that particular system function within the larger system? Can it thrive when it is encapsulated in something different? I don't know."

The debate remains but the circle within Native Student Services continues, and its coordinator would like to see the shift spread.

"We want to show and demonstrate that this forum and this function of self-government actually works and it can work within a Canadian framework. The stone drops here, and that is what we are trying to say."

Said Goodstriker: "Now all that we need is for them to listen." ■

Desrochers tribute a success for Faculté Saint-Jean

Canada's only French-language, inter-disciplinary Canadian studies program established

By Geoff McMaster

A fundraising drive to launch a new professorship at Faculté Saint-Jean has raised more than \$600,000, far surpassing everyone's expectations, said Dean Claudette Tardif.

Funding for the Louis Desrochers Professorship in Canadian Studies was announced at a dinner for Desrochers last week. Calling the tribute "an historical moment" for Faculté Saint-Jean and the province, Dr. Tardif said there was an enormous "sense of pride, of family and of warmth" among the gathering. More than 800 people representing francophone, legal, business and academic communities attended. "It just felt right," she said.

Distinguished guests included Claude Ryan, a former leader of the Quebec Liberal Party, Senator Céline Hervieux-Payette and former Alberta premier Peter Lougheed, all on hand to celebrate Desrochers' contribution to the country.

"Mon ami Louis Desrochers has devoted his life to bridging the divide of region and language," said Prime Minister Jean Chrétien in a pre-taped greeting. "Canada is a better place to work because of [Louis'] influence and work."

The two biggest donations for the professorship were from Shaw Communications and Power Corp., each providing \$200,000. Maclab Enterprises and the Ministry of Community Development each pitched in an additional \$50,000, and the Bank of Montreal contributed \$25,000. The rest was raised through individual donations and ticket sales to the \$125-per-plate dinner.

"Louis is someone who has worked very hard for Canada," said Tardif. "He's someone who can move from one world to the other and make people unite. People recognize he's been a staunch advocate of French language and culture in Alberta, whether through education, radio, theatre

"People recognize he's been a staunch advocate of French language and culture in Alberta, whether through education, radio, theatre or many other situations where he's been called upon to provide advice."

—Dean Claudette Tardif, Faculté Saint-Jean



An evening of memories: Senator Céline Hervieux-Payette, Peter Lougheed, Chancellor Lois Hole, Louis Desrochers and Claude Ryan.

or many other situations where he's been called upon to provide advice."

Born in Montreal in 1928, Desrochers moved to Jasper when he was 10 and later attended Collège Saint-Jean. After a first degree from the University of Ottawa, he graduated from the U of A's Faculty of Law in 1952. Throughout his long and illustrious career, he promoted French language and culture with exceptional energy and dedication as president of the Association canadienne-française de l'Alberta, as co-founder of the Théâtre français and French-language radio station CHFA, and as a tireless supporter of Faculté Saint-Jean.

Desrochers was the U of A's chancellor from 1970 to 1974 and has been awarded honorary doctorates from the Universities of Ottawa, Laval and Alberta. In 1994 he was named to the Order of Canada.

The professorship in his name will support a distinguished scholar pursuing topics of fundamental importance to national unity in areas such as political science, literature, sociology, history and education at Faculté. It will also provide for a number of visiting speakers and will be the only interdisciplinary, French language Canadian studies program in the country. Tardif said the Faculté hopes to eventually raise at least \$1 million for the professorship.

"The fact we can bring together the study of Canada from different perspectives and that we have a faculty here in Alberta that can do that ...is important," said Tardif.

Dr. Claude Ryan said the professorship is a vital step in helping to foster a climate of mutual understanding between anglophone and francophone communities in the province. ■

folio

Volume 37 Number 6

OFFICE OF PUBLIC AFFAIRS,
400 ATHABASCA HALL
UNIVERSITY OF ALBERTA,
EDMONTON, ALBERTA T6G 2E8

LEE ELLIOTT: Associate Director,
Office of Public Affairs
LUCIANNA CICCOCIOPPO: Editor
GEOFF MCMASTER: Assistant Editor

CONTRIBUTORS:
Gilbert Bouchard, Dan Carle, Brian Evans,
Melanie Delmaine Pannack, Dan Rubinstein,
Vivian Zenari

GRAPHIC DESIGN:
Ray Au, Susan Hunter, Marion McFall,
Annie Schroeder, Dennis Weber

Folio's mandate is to serve as a credible news source for the University community by communicating accurate and timely information about issues, programs, people and events and by serving as a forum for discussion and debate. Folio is published 20 times per year.

The editor reserves the right to limit, select, edit and position submitted copy and advertisements. Views expressed in Folio do not necessarily reflect University policy. Folio contents may be printed with acknowledgement.

Inquiries, comments and letters should be directed to Lucianne Ciccocioppo, editor, 492-0439 lucianne.ciccocioppo@ualberta.ca

Display advertising
Deadline: 3 p.m. one week prior to publication
Katherine Irwin, 492-0444

Classified Ads
Deadline: 3 p.m. one week prior to publication
Cora Doucette, 492-2325

Talks
Deadline: 9 a.m. one week prior to publication.
Brenda Briggs, 492-5044 Fax: 492-2997
public.affairs@ualberta.ca

ISSN 0015-5764 Copyright 1999

University
of
Alberta



...it makes sense.

The University of Alberta maintains a database of all alumni. This database is used to send you news about the U of A, including Folio and New Trail, invitations to special events and requests for support. On Sept. 1, 1999, post-secondary institutions were required to comply with the Freedom of Information and Protection of Privacy legislation of the province of Alberta. In accordance with this legislation, please respond to one of the following options:

- ☐ Please keep my name, or
- ☐ Remove my name from the Folio list.

Signature
No response means the University of Alberta assumes an individual wishes to remain on the mailing list.

U of A holds at seventh in Maclean's rankings

First in medical/science grants, last in average entrance grades

By Lucianne Ciccocioppo

The University of Alberta has placed seventh once again in its medical/doctoral category in the annual Maclean's universities' ranking issue, published this week.

The category includes 15 of Canada's largest universities with a broad range of PhD and research programs, as well as medical schools.

First is University of Toronto, same as last year, and tied for second place are UBC and Queen's. Just ahead of the U of A are McGill, Western and McMaster Universities, at fourth, fifth and sixth. The University of Calgary placed 10th, up from its 12th place position last year.

The University of Alberta continues to shine in terms of total library holdings and holdings per student, at second and first respectively. The university ranked first in the country once again in medical and

science grants, in terms of average grant size and number.

While still remaining among the top five in the reputational category, the U of A slipped to fifth from third in the best overall section. More specifically, the university was fourth in the most innovative category, and fifth in both highest quality and leaders of tomorrow sections.

"I'm pleased to see we're in the top five in all four reputational categories. As a general measure, it's a strong recognition of what the U of A is doing," said Dr. Doug Owram, vice-president (academic) and provost. "Most disappointing is our rankings in grades."

The U of A placed last in the average entering grade measurement and 13th in proportion with 75 per cent or higher. These two sections make up 15 per cent of

the total, said Owram, and are therefore heavily weighted in the final score.

The measurement does not address the problem of grade inflation, particularly in the province of Ontario which does not have governmental exams accounting for 50 per cent of final high school grades, said Owram.

"We're moving up in terms of number of student awards [to eighth, from 10th last year]. But if our entering students are 15th in the country, something is out of whack there," Owram added.

As for the change in the university's reputational standing, it's part of a "natural ebb and flow. There's nothing terribly dramatic there," said Owram.

View the rankings and read the stories at www.macleans.ca. ■

MUNCHING FOR UNITED WAY DOLLARS

Chancellor Lois Hole lent a helping hand during the Super Sub sale for the United Way last week. Hungry students such as Tasha Liddle, left, and Chris Stanton, far right, along with faculty and staff helped raise \$1,132. Thanks to the generosity of the U of A campus, we've reached our \$240,000 goal early, but the drive continues.



The brave new world of reproductive technology

Where do we draw the line?

By Geoff McMaster

A California photographer sparked heated reaction three weeks ago when he began selling the eggs of eight fashion models on the Internet. With bids starting at between \$15,000 and \$150,000, Ron Harris promised "a better looking version of you," and promotes his service as "natural selection at its very best. The highest bidder gets youth, beauty and social skills." He also denied encouraging the creation of a race of super-humans: "This site simply mirrors our current society, in that beauty usually goes to the highest bidder."

Fertility groups were in an uproar, arguing Harris' business commodifies human life to disturbing proportions. At the same time, bioethicists from around the world were gathered in Edmonton for the annual conference of the Canadian Bioethics Society, hosted this year by the U of A, to discuss the Harris example and other urgent issues posed by a rapidly growing biotechnology industry (see "Bioethicists" story p. 6).

At its best, say the experts, the technology has the potential to spawn new drugs and vaccines, possibly leading to the eradication of some diseases. At its worst, however, it raises the dark spectre of eugenics, or the genetic testing, screening and selective breeding of humans. Most conference participants agreed it is high time Canada decides what are acceptable uses of the technology, and what we as a nation simply cannot stomach.

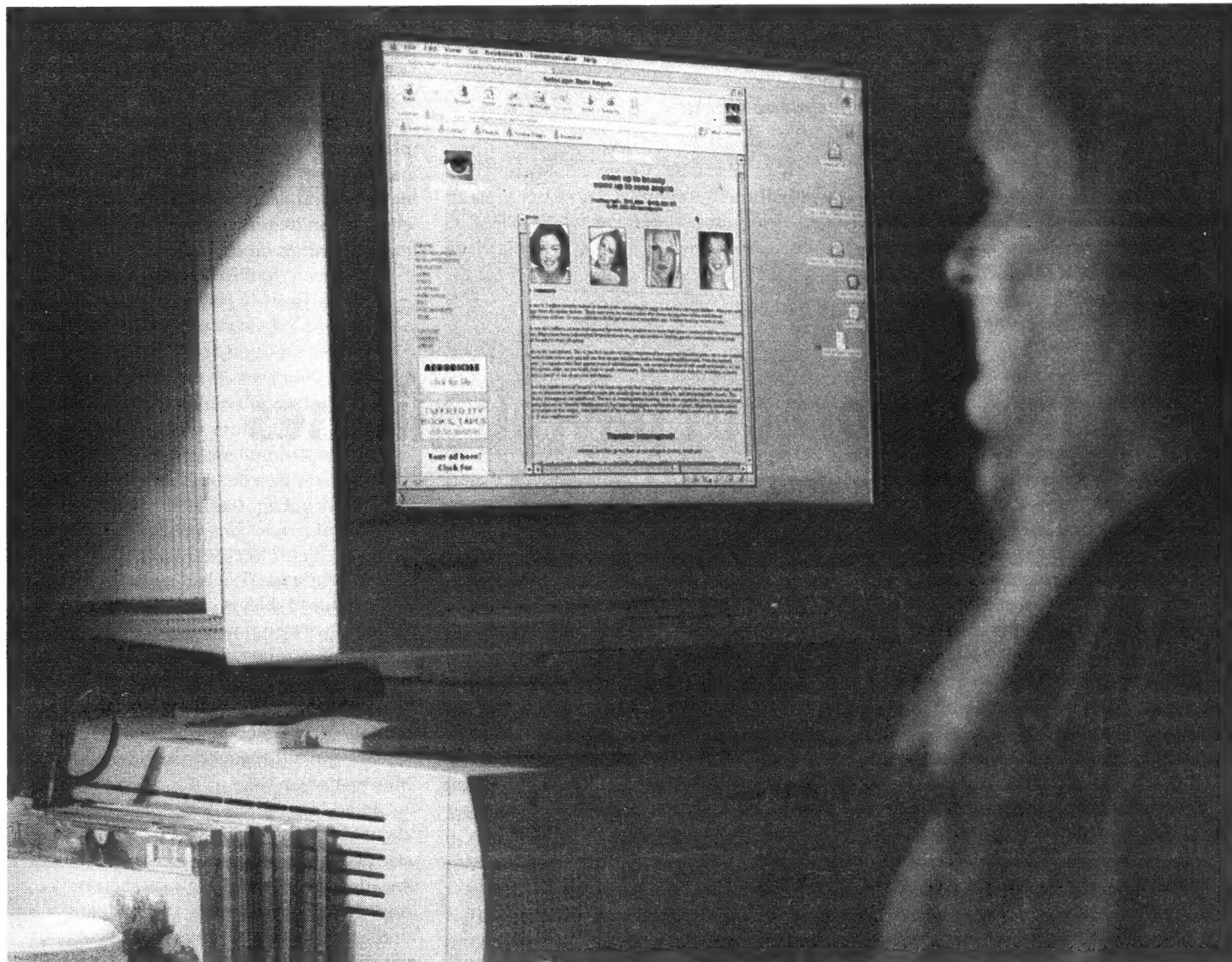
"Together, biotechnology and information technology have the potential to restructure the nature of work, leisure, family relations, health care, and also, I fear, of war, terrorism and our relation to the natural world," says Dr. Susan Sherwin, professor of philosophy at Dalhousie University. "They seem capable of altering our very understanding of what it is to be human."

Dr. Vangie Bergum, director of the U of A's John Dossetor Health Ethics Centre, agrees we should be grappling with implications of biotechnology—and how to regulate it—now, before it slips beyond our control.

"If academia, the public and government do not keep a check on such developments, we could see some awful scenarios becoming a reality here in Canada," says Bergum. "These are the types of issues that we, as a Canadian public, should be focussing on."

One possible response to phenomena like the sale of ova on the Internet, says Bergum, is to let the free market decide for us what forms of reproductive technology are viable. If enough people are interested in buying what Harris and his ilk have to offer, then why prevent their right to choose? Or so the argument goes.

"We look at the whole concept of autonomy, and we in society feel very



Selling ova on the Internet is natural selection at its very best, says the owner of the Web site, Ron Harris: "The highest bidder gets youth, beauty and social skills."

strongly that we should be able to make decisions that affect us in our lives," says Bashir Jiwani of the Provincial Health Ethics Network. "If you take that to an extreme, one might argue one has every right to do what one wants with one's own body. On that ground you can justify things like selling your ova to whomever wants to buy them because they're your ova."

However Jiwani and PhD candidate (nursing) Patricia Marck believe the market view is a woefully short-sighted abnegation of moral responsibility. It's also, says Marck, "flawed on several counts."

"First, many contemporary health economists will tell you classic market principles do not operate as expected in health care... Second, the question of whether human eggs are a market should be settled by society as a whole, not a few profiteers. Third, as a market, model eggs are a sham, since there is no guarantee that the product will 'behave' as the buyer anticipates."

"We can't stop, nor would we necessarily chose to stop, biotechnology research, but there are lines of research we should not pursue. But we won't know that unless we spend equal amounts of time, energy and funding on other kinds of research—social science research, environmental research and ethics research."

The 10-year-old Royal Commission on New Reproductive Technologies, through

extensive consultation with Canadian citizens, has already found most of us want nothing to do with a world where children—or the reproductive capacities of women—are for sale. So it seems we already know where to draw the line. Actually drawing it, however, is a tricky business in the borderless, post-modern world of the transnational corporation. "Biotech companies are typically engaged in a global, not a national, marketplace," says Sherwin.

"If academia, the public and government do not keep a check on such developments, we could see some awful scenarios becoming a reality here in Canada."

—Dr. Vangie Bergum, director, U of A's John Dossetor Health Ethics Centre

One problem, says Sherwin, is even if we do place restrictions on reproductive technologies, some Canadians are sure to sidestep around legislation and over the border to U.S. clinics that do provide ova, home-testing kits for genetic tendencies, "even organs for transplant."

At the heart of this bioethical dilemma is not the defence of the individual's right to choose (in the superficial sense of blindly satisfying impulsive desires), but rather of what she calls "real autonomy," grounded in the right to find out as much as we can about a new technology before jumping in with both feet.

"It is not sufficient to leave [individuals] free to exercise their preferences; rather we must provide them with the resources necessary for discovering what they truly value and what sort of person they wish to be."

Dr. Mary Lou Cranston, director, St. Joseph's College Ethics Centre, says Canada should be a leader in the bioethics debate but has "one of the worst records in the civilized world" when it comes to enacting regulation with teeth.

"We've got the technology, we've got the educated population," says Cranston. We also have a \$28.8 million price tag on the Royal Commission on Reproductive and Genetic Technologies. Says Cranston: "To have absolutely no leadership and no legislation on those issues is to our shame."

Instead of shying away from what might seem like awkward and very personal issues, such as human reproduction, we need to discuss them with children at a very early age so they can make decisions fully informed, says Jiwani. Yet even that requires national leadership.

"We do need to come up with some kind of national response," he says. "We do as a nation need to take a stand on reproductive technologies, and make it clear what acceptable standards are, which is really a reflection of what our values are ... it's not going to be uncontroversial or easy at all, but that doesn't mean we shouldn't do it."

Though it's still too early to tell, biotechnology experts are hoping the recently established federal Biotechnology Advisory Committee will provide some badly needed direction in what is fast becoming a moral quagmire. Until then, one might consider a simple question posed by Dr. Godfrey Tangwa of Cameroon in response to Harris' Web site: "Why would anyone who isn't beautiful want to have a beautiful child?" ■

Changes made in operations and physical resources areas

By Geoff McMaster

The university has made several changes to the management of capital projects, as part of a larger program of restructuring on campus.

Glenn Harris, vice-president (finance and administration) sent a memo this week to deans, chairs and directors outlining the changes. As part of the restructuring, Jamie Fleming, formerly associate vice-president (operations and physical resources), has been reassigned to executive director, business affairs.

Other changes to take effect this month:

- The Department of Capital and Strategic Planning Services and activities asso-

ciated with major capital projects will report directly to Harris until a decision is made on how best to manage facilities development.

- The operating departments of Physical Plant, Housing and Food Services, Real Estate and the Management Support Unit

will report to Harris through Nazim Merali, associate vice-president (finance).

- Harris will begin searching for a new director of physical plant within the next few weeks.

The university conducted its own investigation this summer into rumors of "abuse of internal systems," said Harris at a press conference Oct. 28. It was decided

to let the RCMP pursue "unanswered questions." Both investigations follow a review of construction practices earlier this year by the provincial auditor general who found "deficiencies in our internal control systems."

"Over the past few months the university has been looking very closely at construction management practices," said Harris. "What sits behind this whole situation is one of outmoded university practices that we've taken steps to address. We do not believe there remain any serious problems."

Because the university is undergoing a major construction boom, with about \$102 million projects currently underway, the planning of some projects has been handed over to Stantec Consulting, an independent firm. That has meant the elimination of four construction management positions on campus.

However while one of those four—Dan Pretzlaff, acting director of construction management services—has been suspended with pay pending the result of the RCMP investigation, Harris emphasized the other three are in no way implicated in any wrongdoing. "The timing is unfortunate," he said.

Barbara Surdykowski, labor relations officer for the Non-Academic Staff Association, said her main concern is for campus employees who stand to lose work as a result of hiring outside contractors.

However, she said she is "quite happy the RCMP are on campus—the university did the right thing. The rumors have to be dispelled, and if there is wrongdoing it has to be corrected.

"My understanding is that it has been a long-standing problem and it is only the RCMP who will be able to determine what the wrong-doing is and who is involved." ■

"My understanding is that it has been a long-standing problem and it is only the RCMP who will be able to determine what the wrong-doing is and who is involved."

—Barbara Surdykowski, labor relations officer, Non-Academic Staff Association

Task force to sort out payroll glitches

New steps in place to prevent problems, says administration

By Geoff McMaster

Human Resource Services have struck a task force to make sure graduate students are paid on time from now on. Hundreds of graduate teaching assistants and scholarship recipients found themselves without pay cheques for the second time in October, as the payroll department sorted out glitches in the new computer system.

"It's been an incredible inconvenience for a number of students," says Graduate Students Association President Laura Bonnett. "We received a lot of complaints, especially since we were hoping it would have been fixed the second time around."

Bonnett says she has been meeting with Wanda Wetterberg, associate vice-president

(human resources), to talk about student payroll concerns and has also asked for student representation on the new task force. "My sense is students are looking for some kind of compensation for this."

By the end of payday Oct. 28, there were still some 900 students who had not been paid. However most received their cheques either the next day or the following Monday, says Wetterberg. She added her department is still trying to find out why a number of other cheques were processed but not printed. In September there were some 500 graduate students who had not been paid on time.

"There is no one reason [for the delay]"

says Wetterberg. "We had software problems, input problems ... we've got new systems, we've got new paper processes, and a dramatic increase in the number of dollars going into awards." She says departments on campus are still unfamiliar with the new system and students themselves have not always been filing complete information on time.

In addition to the delays, about 100 cheques did not include additional earnings such as honoraria, responsibility pay and vacation pay. Wetterberg says she's received a number of angry complaints, "and understandingly so... if you don't get your pay cheque, that's pretty serious."

In addition to the task force, to be headed by Associate Vice-President (Academic) Anne-Marie Decore, a number of other steps are now in place to ensure errors don't happen again:

- Additional verification reports and queries before, during and after pay processing.
- Better documentation of user procedures for human resources staff.
- Reviewing U of A pay-processing procedures to ensure verification routines are in place before confirming pay.
- Developing distribution lists by departments to accompany pay cheques. ■

Board briefs

Highlights of the Board of Governors meeting, Nov. 5

By Lucianna Ciccocioppo

LAST Y2K REPORT BEFORE Y2K

An executive summary of the last Y2K report was submitted to the board. It was dated Oct. 27 and subtitled: "Only 65 days to go. Are we ready?"

The answer is a "qualified yes." "Management is not saying we're ready, but that the university is compliant," Glenn Harris, vice-president (finance and administration), told board members. "We do have contingency plans if we do run into problems," he explained.

The report includes a summary of risks, ranking items such as awareness and sponsorship, legacy systems, embedded processors and a variety of services, from low to high. There were only mediums and lows indicated, with contingency planning ranked a medium. The report says contingency planning is on-going in critical areas.

According to the report, Associate Vice-President (Learning Systems) Ernie Ingles has contracted EDS Systemhouse to provide a review of the U of A's Y2K readiness, with a report slated for later this month. This will help outline additional remedial action if required.

ASRP GLITCHES AND PERKS

Yes, there have been problems with the Administrative Systems Renewal Project

(ASRP) but there are also some positives, said board member Fred Barth.

A discussion followed about graduate students not being paid on time, and the task force set up to ensure future mishaps would not occur again. Barth told board members "the administration has made a better response to these situations a top priority."

In addition, Barth presented, for the first time, an unaudited quarterly financial report (to Sept. 30) to board members, made possible because of the new financial system introduced under ASRP.

"We'll be better informed where we stand on the budget throughout the year," he said. Glenn Harris, vice-president (finance and administration) cautioned the "numbers are not particularly meaningful" because of large variances, for example in grants and donations. "Donations tend to come in at the end of the calendar year," said Harris. And because a quarterly report was not available in the previous fiscal year, comparative numbers may be off (the quarterly report is available through the Board of Governors office).

Still, academic representative to the board Dr. Walter Allegretto remarked the ASRP cost the university considerable money "at a time the university has little

money." He said few processes seem to have actually improved.

"Cheques for visiting scholars take twice as long. How much more money do we need to spend to get the system fully operational, with no more glitches? How is it better than before?"

Said Harris: "It is appropriate and necessary to spend money on systems like this for a university this size... There's a legitimate and appropriate need to put these systems in. But just putting them in doesn't make the university more efficient—it takes time to learn how we can improve."

Dr. Doug Owram, vice-president (academic and provost) joked: "There's a little corner in my brain that's a Luddite and would like to use file cards." He added the Y2K issue pushed up the date, and therefore costs, associated with the ASRP.

"The big shift has taken place. The real question is 'What's next?' There's no Y2K deadline in the future, so we can pace ourselves better and look at what resources are needed to go ahead."

CAMPAIGN UPDATE

As of Sept. 30, 1999 the University of Alberta Campaign has pulled in cash, pledges and commitments totaling

\$186,090,237. This represents 128.64 per cent of the campaign goal of \$144.65 million. It also represents an increase of \$8,061,958 since June 30, 1999 and is distributed among the medicine and dentistry, pharmacy and pharmaceutical sciences, and engineering faculties and the University Fund.

APPROVED AT THE BOARD

A new graduate program—and the Faculty of Extension's first degree program—was formally approved. The master of arts in communications and technology (MACT) will be offered in 2000-2001 as a collaborative, asynchronous distance-delivery program, including on-campus classes and interaction, mainly during annual spring institutes.

Approvals of expenditures included: \$59.5 million for the Electrical and Computer Engineering Research Facility (which has nine sources of funding); \$1.25 million for the development of the Knowledge Commons facility in Cameron Library, a walk-in computing site providing 107 workstations, 31 laptop connections and four consultation rooms for students; and \$525,000 for the Poultry Research Centre's phase three of its upgrading and modernization project. ■

China turns 50—and celebrates

History has recorded 'large number of negatives and positives'

By Dr. Brian L. Evans, professor emeritus, Department of History and Classics

On Oct. 1, 1999, the government of the People's Republic of China (PRC) held a big birthday party to celebrate the 50th anniversary of its founding. Throughout China public parks were festooned with bunting, streets were lined with red lanterns, government offices sported congratulatory slogans. Large balloons in the shape of Chinese lanterns trailed vertical banners announcing the achievements of the party and of the government it controls.

In Beijing, preparations had taken months: the paving stones of Tiananmen Square were replaced, the sidewalks along Chang An Avenue were relaid with red glazed tiles, half a million potted plants splashed their colors along the avenue, and large flowered statues were placed at the main intersections. Stretches of emerald green grass appeared in places that used to be dry and dusty. All major buildings and historic sites were outlined in white lights. For the two weeks prior to the grand parade, Chang An, perhaps the broadest avenue in the world, was jammed with cars as people came out to view the spectacle.

The Oct. 1 parade lasted almost four hours and, for the first time in more than a decade, contained a military component designed to act as a warning to Taiwan and its supporters. The bulk of the parade, through a series of floats, emphasized China's achievements, the richness of its economy, culture and society, and offered glimpses of the future. Two large portraits were carried in the parade. One was of Mao Zedong, and the other was of Deng Xiaoping, the two major figures in the history of China in the last 50 years. In the evening, Tiananmen Square was turned over to ballroom dancers, while fireworks lit the sky. Needless to say, critics inside and outside the Communist Party complained it was all a major waste of money. But expense aside, was the celebration justified in terms of accomplishments?

Maintaining control of the world's most populous nation during the turbulent last half of the 20th century is in itself no mean achievement, particularly given the international hostility which confronted the regime in its first two decades. Later, the opening

of China to the West, the death of Mao in September 1976 and the rise of Deng Xiaoping produced a series of reforms that reshaped China's economy, politics and society into ones more compatible with those of the West.

A century ago, China was breaking apart. Taiwan, Hong Kong and Macau were occupied by foreign powers while formerly dependent states, such as Korea and Vietnam, were absorbed by foreign empires. The Chinese-controlled territory of Tibet was being lured into closer links with British India. Internally, China was carved up into economic spheres of influence in which foreign powers exploited resources and labor for the greater prosperity of their homelands. During the first half of this century, the situation only grew worse as the old empire collapsed, giving way to decades of civil war and foreign invasion.

Today those foreigners are gone, back by invitation only, and China is at peace. Foreign empires have receded from its borders and, with the exception of Taiwan, the old China territory is once again back under the control of Beijing. The liberation of China from foreign encroachment was largely the accomplishment of Mao and his colleagues, but it came with a price. The price was China's near complete isolation from the rest of the world during the Cold War as Mao led China into a period of self-reliance and violent introspection from which it has not yet fully emerged.

The record of the first 50 years of Communist government in China contains a number of large negatives to be balanced against a number of large positives. The negatives are better known in the West: the Great Leap Forward and its subsequent bitter hardships; the Cultural Revolution, known in China nowadays as the Ten Lost Years for its destructive political fanaticism; and the Tiananmen event, known officially in China as an anti-government incident and outside China as the crushing of a budding democratic movement.

The positives? The transformation of China in the early 1950s from a wretchedly diffuse mass of economic disasters and social problems into a cohesive national entity respected, if not embraced, interna-



Evans in Beijing: a place where "even beggars can grow rich."

tionally. And the rapid modernization of the economy in the last decade or so, giving China one of the world's consistently highest growth rates. These movements have been directed and overseen by a party whose leadership has never completely lost control of events, and which has learned to adjust its policies in sufficient time to retain power.

Modernization is a work in progress and has brought with it considerable pain as the economy moves from command to free market. Downsizing, privatizing, restructuring and the elimination of many state enterprises have left millions unemployed.

Modernization has brought with it a number of freedoms that did not exist in the past, such as the freedom to choose where you live and where you work, the freedom to purchase your own home, to start a private business, to work hard and grow rich, to consume, to travel freely around the country, even to own a car. In some places it has brought the right to vote in local elections for candidates drawn from parties other than the Communist Party. China is now also a place where you can hire a lawyer, with all that that implies. It does not mean, however, that China has established the rule of law. It will be some time before the Communist Party agrees to

place itself at the mercy of the justice system.

On the whole, the People's Republic of China has a right to celebrate. Despite its great burden of population, China is stronger, more united and more prosperous than it has been for centuries. After a number of false starts, it has entered a phase of development marked by renewed vigor, enthusiasm and optimism. That optimism requires a period of international stability and peace, matched by sensitive internal adjustment and change. China is once again a major power taking its legitimate place in world affairs.

At the same time, it has its share of problems, from pollution to population, from generation gaps to wage gaps. It is incumbent upon those of us who seek to offer China advice from outside to gain as complete a picture as possible. The government of a country of 1.3 billion people cannot always give priority to those problems that appear to observers to be desirable and urgent.

Some foreign reporters covering the 50th anniversary celebrations pointed out the beggars had been removed from the parade route, so they would not spoil the image the regime wished to project. "But," the reporters cautioned, "the beggars will be back once the parade is over."

It is certainly true the beggars disappeared from the route, but then how does one beg from a parade of tanks and floats? It is also true the beggars reappeared the very next morning. The beggar in front of the apartment house where I stayed arrived, as usual, parking his car out of sight behind the building. He does well because his spot is just outside a metro station, in an area frequented by foreigners. He is proud of the fact he has built a villa in his home village and that he is prosperous. The China of Mao did not allow begging in central Beijing; the China of Deng made it possible not only to beg but to grow rich doing it. What remains unclear is whether the heirs of Mao and Deng plan ever to allow begging during National Day parades. ■

appointments

John Dossetor Health Ethics Centre

Dr. Art Quinney, chair, Coordinating Council of Health Sciences, and Dr. Lorne Tyrrell, dean, Faculty of Medicine and Dentistry, announce the appointment of Dr. Vangie Bergum as director of the John Dossetor Health Ethics Centre.

Bergum, a professor in the Faculty of Nursing, has been connected with bioethics research and work at the University of



Dr. Vangie Bergum

Alberta since 1988. She is the principal investigator of a SSHRC-funded interdisciplinary study in relational ethics, involving scholars and health-care professionals from a wide variety of disciplines. She recently chaired the planning committee of the Canadian Bioethics Society Conference, held Oct. 28-30 in Edmonton.

The John Dossetor Health Ethics Centre is an interdisciplinary group which promotes professional and public reflection, debate and research, through partnerships and discussions, on matters of ethical and moral concern in our health-care facilities and in our community.

The centre is under the jurisdiction of the Coordinating Council of Health Sciences, and its primary objective over the next year will be to strengthen relationships on campus and with external organizations. ■

Join me for a walk through the Village.

An Exhibition and Sale of Artpieces from the African Continent.

Experience a rare African perspective.

Traditional art rich in colour and culture by Africa's preeminent indigenous artists.

- Sculpture in wood by the renowned carvers of Mua-Malawi
- Exquisite basketry by the Mbukushu and Yei women - Botswana
- Handpainted tapestry and textiles from the remote Luangwa Valley - Zambia

November 18-19, 10:00 am to 8:00 pm
Victoria Golf Course Clubhouse

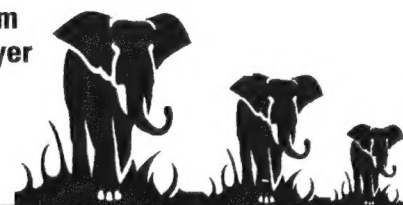
November 23-25, 10:00 am to 8:00 pm
Jubilee Auditorium, 1st balcony foyer

(Ample free parking opposite main entrance)

Just a little further, we're almost there!

Presented by: **Kalahari Kids**

Inquiries: Murray Katz (780) 451-1770



Bioethicists warn of 'super-human' society

Conference calls for legislation to temper biotechnology progress

By Melanie Delmaine Pannack

If the biotechnology industry is not regulated, we may see a society of "super-humans" developing where race diversity and other dispositions will no longer be part of the fabric of the human species, according to some of the world's leading bioethicists.

At the recent Canadian Bioethics Society (CBS) annual conference, hosted by the U of A's John Dossetor Health Ethics Centre, St. Joseph's Ethics Centre and the Provincial Health Ethics Network, international and local bioethicists debated the future of biotechnology. The title of the conference reflected the international focus of much of the discussion: "Can bioethics be local when biotechnology is global?"

An open public lecture was held at the Shaw Conference Centre Oct. 28, attracting a crowd of about 600. Three leading inter-

national ethicists—Dr. Alastair Campbell, University of Bristol, UK; Dr. Susan Sherwin, Dalhousie University; and Dr. Godfrey Tangwa, University of Yaounde, Cameroon—discussed ways to come to grips with how society can allow the science of biotechnology to progress while protecting individual rights and those of society, industry and the environment.

Tangwa, whose areas of expertise lie in cross-cultural and environmental ethics, said, "Any notion that human beings are identical or should be identical can be quickly dispelled. The richness and diversity in nature is there for a reason, and supports the survival of our planet. Every culture, every species has a right to survive." He added for any single culture to perceive or dictate a reality or image for

all will compromise the richness of humanity.

Sherwin spoke predominantly on what she termed a "made-in-Canada approach." The Canadian government is now faced with a conflict of interest, she argued. It is important for the government to allow economic expansion of this industry, but "In an era where free trade has become a mantra of politicians and economists, it is difficult for nations to develop policies that effectively protect their citizens from the potential hazards [of this technology]."

Campbell brought an added dimension to the debate and concentrated on what he termed "cultural imperialism." He argued biotechnology meets consumer desires but equally controls and fabricates the consumer need.

Dr. Vangie Bergum, director, John Dossetor Health Ethics Centre, said the conference achieved many of its aims. "Along with the many national and international participants, we were able to take this debate into an international arena by focussing on several different viewpoints, and thus allowing us to develop a more comprehensive understanding of where biotechnology is going and what it means for our world."

Said Bergum: "We were successful in getting broader public participation as it is important for the public to understand and debate these issues. It is after all their values and participation that will dictate how this industry develops."

Read the Folio Focus on p. 3 for an expanded discussion on this issue. ■

In memoriam

Laurence G. Decore, 1940-1999

Dr. Laurence Decore, former leader of the Alberta Liberal Party, one-time Edmonton mayor, and the University of Alberta's most recent honorary degree recipient, passed away Nov. 6 from cancer. He was 59.

Dr. Decore received his honorary doctor of laws degree Oct. 22, 1999 at a special convocation ceremony in his residence with about 60 family members and friends and a choir of eight.

Chancellor Lois Hole presided, Don Mazankowski represented the Board of Governors, and President Rod Fraser presented the degree to Dr. Decore. U of A



Laurence G. Decore

faculty members who participated in the procession included Dean Mike Percy and Dean Ken Norrie, Vice-President (Academic) and Provost Doug Owsram and Dr. Allan Tupper.

Dr. Decore gave a thoughtful, inspiring and powerful address at the convocation, in which he spoke of the opportunities the U of A provided him, of his love of his family, and of his gratitude in receiving the honor. Throughout the ceremony, he demonstrated the grace and dignity with which he conducted his life.

An outstanding contributor to Edmonton, Alberta and Canada, Dr. Decore was an alumnus of the U of A, with a BA in arts and sciences (1961) and LLB (1964). At 24, he built a major hotel in Jasper. At 30, he co-founded QCTV (now known as Videon).

He entered politics at the municipal level in Edmonton when he was elected alderman in 1977. By 1983 he was mayor, and he was re-elected in 1986. Under his tenure, the city of Edmonton won three awards of excellence from the International Government Finance Officers' Association for debt management and control, and for its new budget system.

Dr. Decore moved into provincial politics in 1988 when he won the leadership of the Liberal Party. He was elected to the legislature in 1989 and was re-elected in 1993, leading the Liberals from relative obscurity to a position of electoral strength as the official opposition. In addition to focussing on fiscal responsibility, government accountability and transparency, Dr. Decore championed the importance of education and of equality of access at the K-12 and post-secondary levels.

A tireless worker on behalf of the Ukrainian community, he was also a life-long proponent of multiculturalism. He served as director of a number of private Alberta companies.

A fund-raising dinner June 4 at Northlands Agricorp prompted the establishment of a professorship in his name. About \$100,000 was raised to support the U of A's Noujaim Institute for Pharmaceutical Oncology Research. The professorship is an honorary title, recognizing the contributions of the namesake. Dr. Decore was chair of the institute's external advisory board and was a tremendous help in recruiting people and donors for the \$2 million goal.

Dr. Decore leaves behind his wife, Dr. Anne Marie Decore, associate vice-president (academic) and two children. ■

John R. McGregor, 1925-1999

Dr. John Ross McGregor, a professor emeritus in the Department of Mathematical Sciences, passed away during the morning hours of Sept. 24, 1999 at the Cross Cancer Institute where he was undergoing therapy for a brain tumor. He was 74.

Dr. McGregor was a native of Edmonton and graduated with an honors B.Sc. in mathematics from the University of Alberta in 1950. He remained at this university until 1955, gaining a B.Ed. and an M.Ed. along



John Ross McGregor

the way before going to the University of Cambridge to take a PhD in mathematical statistics in 1959.

He was a man of wide experience. During the Second World War, he served with the RCAF Transport Command in India, Burma and Europe. In 1959, after completing his PhD, he joined the University of Alberta as an assistant professor of mathematics and was promoted to a full professorship in 1966 when he was also selected to chair the Department of Mathematics. In 1971, upon completion of his term as chair, he was appointed dean of Graduate Studies and Research in which he served until 1976. In 1981, when the

Department of Statistics and Applied Probability emerged as an independent unit, Dr. McGregor agreed to serve as its founding chair. In this capacity and also concurrently as director of the Statistical Services Centre, he provided commendable service until 1987. In 1987, he relinquished the chairmanship, but continued to serve as director of the Statistical Services Centre.

Dr. McGregor retired from his university service in 1990 after a long and distinguished academic career. Even after that he continued to provide some statistical consulting assistance to students and faculty at this university.

Dr. McGregor was a superb teacher and a profound scholar. He combined very effectively his remarkable statistical insight with his ability to present statistical concepts and methodology in a lucid, logical and eloquent manner. He was awarded a Faculty of Science Award for Excellence in Teaching in 1989-90.

Over the years he taught at all levels, from introductory statistics courses to advanced courses in mathematical statistics and stochastic processes.

Professor McGregor is survived by his daughter Alexis McGregor and his sisters, Gwen Molnar and Barbara Cram. He was predeceased by his sister Helen Rodney 10 years ago. ■

laurels

ALUMNA NAMED CHIEF JUSTICE OF CANADA'S SUPREME COURT

Three-time U of A alumna Beverley McLachlin has been appointed chief justice of the Supreme Court of Canada—the first time a woman has been named to the position in Canadian history.

McLachlin, who received her BA, MA and LLB from the University of Alberta, will take over from retiring Chief Justice Antonio Lamer Jan. 7, 2000.

Born in Pincher Creek, Alta., in 1943, McLachlin earned her law degree in 1968, was called to the Alberta bar in 1969 and to the B.C. bar in 1971. She has also received honorary law degrees from the U of A, UBC and University of Toronto.

McLachlin was appointed to the Supreme Court of Canada March 30, 1989. Prior to this appointment, she served as chief justice of the Supreme Court of British Columbia, on the Court of Appeal of British Columbia and on the County Court of Vancouver. ■



Madame Justice Beverley McLachlin

ENGINEERING PROF HONORED FOR EDUCATIONAL CONTRIBUTIONS

ISA, the international society for measurement and control, recognized U of A engineering professor Dr. Reg Wood with two citations at its annual honors and awards banquet last month.

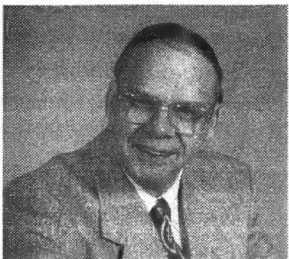
Wood was made an ISA Fellow for his "devotion and dedication to students of process measurement and control and development of associated curricula."

In addition, Wood received the Donald P. Eckman Education Award for outstanding contribution toward education and training in the science, engineering and technology of instrumentation.

The ceremony coincided with ISA TECH/99, the international forum for ad-

vancing measurement and control technologies.

ISA is a 46,000-member international, non-profit, educational organization. The society encourages advancement in the theory, design, manufacture and use of instruments, computers and systems for measurement and control. ■



ISA award winner Dr. Reg Wood

\$30M to attract world's best to Alberta

Province teams up with universities to lure high-tech researchers

By **Lucianna Ciccocioppo**

A \$30-million investment over three years will help stem the brain drain at Alberta universities while luring top researchers to enhance the province's rapidly growing information and communications technology (ICT) sector.

That's the aim of iCORE, the Informatics Circle of Research Excellence, created Oct. 26 by Dr. Lorne Taylor, minister of innovation and science.

The U of A's Dr. Roger Smith, vice-president (research and external affairs), will chair iCORE.

"Clearly, this is an important step. It's

part of an overall initiative to make Alberta visible, in a meaningful way, nationally and hopefully internationally," said Smith. "It will increase the province's profile and commitment to ICT to attract high quality researchers."

The iCORE program will help establish stable, long-term funding of critical research and development in ICT. The funding is designed to serve as initial seed money to attract and recruit leading researchers to the province. It is hoped the financial commitment from the province will encourage investments from other

provincial, federal and industrial resources. The iCORE initiative is unique to Alberta, said Smith, and should fund five to 10 researchers, their teams and infrastructure.

Awards will be distributed by an iCORE review committee consisting of strong and active ICT researchers from university faculties, industry and iCORE board members. Researchers can apply for research chairs and professorships; new researchers and graduate students will be eligible for research fellowships, post-doctoral and graduate fellowships. The

first awards are expected to be announced July 2000.

The Informatics Circle of Research Excellence is a not-for-profit organization. Two additional U of A connections include Dr. Jonathan Schaeffer, computing science professor, and Dr. John Samson, physics professor. Dr. Brian Unger, professor of computing science at the University of Calgary, will serve as its first president and CEO.

For further information, view <http://www.icore.ca> or <http://www.gov.ab.ca/is>.

Athletic medals of the fall

Seasons change but tradition remains

By **Dan Carle**

Athletic teams at the University of Alberta earned three more medals in competitions last week, and three teams are now vying for the whole enchilada in national competitions the second weekend in November.

The Pandas field hockey team won a national bronze medal after defeating the University of Toronto 1-0 for its fifth national medal, and fourth bronze, this decade after the national tournament was played at Waterloo. The Pandas have appeared in seven national tournaments this decade.

The Golden Bears and Pandas soccer teams both earned berths in their respective national tournaments, to be held during the Remembrance Day weekend, after a gold and silver medal performance at the conference final tournament.

The Pandas won Canada West gold for the third time in four seasons after chart-

ing back-to-back 1-0 shootout victories during the conference final tournament at Saskatoon. The Pandas now advance to their fourth national championship tournament in six seasons, this season at Wilfred Laurier.

"For us to beat the guys on top is pretty hot tamales."

—Helen Wright,
Pandas rugby coach

Meanwhile, the Golden Bears finished with the conference silver medal, but are on the road to redemption. Alberta, which dropped a 3-1 decision to Western Ontario in the 1998-1999 national final, defeated UBC 3-2 last Saturday in the muck to gain an auto-

matic berth to the national tournament for a second consecutive season.

"We played that game in torrential rain," said Golden Bears coach Len Vickery of the UBC-hosted conference final tournament. "They moved from the stadium—which is a 65-yard field covered in mud—to their outside field, which is wider and gave us a better surface. It was a battle royal."

However, it was not a battle loyal as Golden Bears striker Craig Chiasson scored two goals to sink his former team. Chiasson transferred from UBC to Alberta last season to attend law school, and held court Saturday on his former home field, in familiar climactic conditions.

"He scored one absolutely cracking goal early on and snuck away in the last 10 minutes to score our third," Vickery said.

Alberta then dropped a 2-1 decision to Victoria in the conference final, but will still represent the West at the national tournament because the Vikes are hosting the men's tournament this weekend.

"If it's Victoria in the final, then we owe them," Vickery said.

Pandas rugby owes its lucky stars. The six-week-old team (the University of Alberta's 19th interuniversity offering) has already claimed a conference championship.

The Pandas went 3-0, all by shut-out, including a 27-0 final win over UBC in the Canada West final tournament two weeks ago. This weekend the Pandas are at their first CIAU women's rugby tournament. The rise of women's rugby at Alberta has been meteoric, and the rewards out of this world.

"Most of these girls have played on provincial teams and for them to go out and win after losing to many of these same players in the past is a real achievement for them personally," said Helen Wright, Pandas coach. "British Columbia and Ontario tend to be one step up on Alberta in terms



Chiasson: two goals helped the Golden Bears get back to the show.

of rugby performance, so for us to beat the guys on the top is pretty hot tamales." Well put, well played. ■

NOMINATIONS FOR ACADEMIC STAFF TO SERVE ON THE BOARD OF GOVERNORS

Two academic staff representatives serve on the Board of Governors on nomination by General Faculties Council. There is currently a vacancy on the Board of Governors for one academic staff representative. This position was held by Dr. Franco Pasutto, Dean, Faculty of Pharmacy and Pharmaceutical Sciences. The other academic representative on the Board is Dr. W Allegretto, Department of Mathematical Sciences. An election will now take place to fill the vacancy on the Board of Governors.

The procedures which govern this election are contained in Section 22 of the GFC Policy Manual and are available from the University Secretariat, 2-5 University Hall, and on the World Wide Web (www.ualberta.ca/~unisecr/). These regulations provide that "the two academic staff members who serve on the Board of Governors must come from Category A1.0, at least one of whom shall be a member of Category A1.1 who does not hold one of the following administrative positions at the time of the initial nomination: Vice-President, Associate or Assistant Vice-President, Dean, Director of Native Studies, Associate or Assistant Dean, or Department Chair. Nominees must be employed in Category A1.0 throughout the term of appointment to the Board and, in addition, must be willing and able to serve for the

full term of appointment on a continuous basis. A full term on the Board is normally three years. If there is a question about a candidate's eligibility, the GFC Executive will decide." Since Dr. Allegretto does not hold an administrative position, the vacancy to be filled is open to any member of Category A1.0.

The Nomination Procedures are as follows:

1. Nominations may be submitted in writing to Ellen Schoeck, Secretary to GFC, 2-5 University Hall.
2. Nominations must be RECEIVED in the University Secretariat no later than 4:30pm on Friday, November 26, 1999.
3. Nominations must be supported by the signatures of five full-time or part-time continuing academic staff (other than the nominee).
4. Nominees must be willing to serve and normally serve a three-year term on both the Board and General Faculties Council.
5. A biographical sketch of the nominee should accompany the letter of nomination.

As the University Secretariat receives nominations, the names will be posted on the University Secretariat website at www.ualberta.ca/~unisecr.

Any questions about these procedures should be directed to Ellen Schoeck at 492-5430 or on e-mail (ellen.schoeck@ualberta.ca). ■

the art of thoughtful conversation is alive and well!

The University of Alberta presents...

Philosophers Cafés

Place: Continental Treat Bistro, 10560 - 82 (Whyte) Avenue

Saturday, November 20, 1999
2:30 to 4:00 pm

TOPIC: WHAT IS TRUTH?

Moderator: Bernard Linsky, Chair,
Department of Philosophy
Guest Resource Scholar: Jennifer Welchman,
Professor, Department of Philosophy

Saturday, December 4, 1999
2:30 to 4:00 pm

TOPIC: TECHNOLOGICAL ADVANCES:
SHOULD we do all we CAN do?

Moderator: Bernard Linsky, Chair,
Department of Philosophy
Guest Resource Scholar: Laura Shannon, Professor,
John Dasefor Health Ethics Centre



No formal philosophy training required;
Real life experience desired.



For more information:
University of Alberta
Office of Public Affairs
492-0443 or 492-2325

JOIN US for VIBRANT DISCUSSIONS on burning issues of the day.

Top notch teachers: the people behind the 3M Teaching Fellowships

The University of Alberta landed an unprecedented four 3M Teaching Fellowships (Canada's highest honor for undergraduate teaching) in 1999, announced in Folio in September. Here's a closer look at two awardees: Drs. Jeanette Boman and Mick Price. Look for profiles of Drs. Erhan Erkut and Andy Liu in the next edition of Folio.

Process of teaching is a nursing skill, says professor

By Dan Rubinstein

When Dr. Jeanette Boman sees a young undergrad make a fundamental leap in logic, her mind sometimes drifts to thoughts of her own children. Watching her students and her young ones learn often spurs a similar emotional response.

"There's something intrinsically satisfying about seeing that moment when the light goes on in their eyes," says the associate professor of nursing. "I really enjoy watching students learn and seeing how they develop. That's my passion. It comes easily and naturally to me."

In addition to those flashes of insight, however, Boman knows turbulence and discomfort are also part of learning. She prides herself in "being there" to help students through it. That means getting to know each student personally, interviewing them and keeping files with their pictures, so they're more than mere faces and names.

"I've always believed so much in teaching people as individuals," says Boman, who was the Faculty of Nursing's first associate dean of teaching in 1995 and is currently on sabbatical.

"I think back to when I was a student, and the professors who did that really had an impact. If we can foster a belief in our students that they're important, hopefully

they in turn will treat others the same way."

And in a profession like nursing—whose practitioners must be good teachers when they interact with patients in hospitals, community centres and schools—that's extremely important, argues Boman. "The process of teaching," she says, "is itself a nursing skill."

Boman, a Ponoka native, became a nursing instructor after earning her MA at the University of Alberta. Ten years later, she put teaching on hold to complete her PhD.

Upon returning to the classroom, she began working to improve how nursing is taught. She helped steer the faculty away from traditional lectures towards something called context-based learning: a more hands-on, participatory, collaborative approach.

"We're moving away from just banking information in students' heads," she explains. "That's efficient."

But just because you're taught something it doesn't mean you're learning. So we've taken away that magical notion that one person has all the answers."

"Jeanette had us identify our weaknesses and build on our strengths," says Sylvia Zvidema, an MA student who took a course with Boman five years ago.

"All of her interactions with students communicate to them that they're the most important part of her job. That motivates them."

—Dr. Joanne Olson,
Faculty of Nursing



Boman (standing): a commitment to students and teaching that rubs off on colleagues.

"She just loves the whole art of nursing," adds second-year student Nicole Henderson. "She makes you want to be like her."

"All of her interactions with students,"

says fellow nursing professor Dr. Joanne Olson, "communicate to them that they're the most important part of her job. That motivates them. And her commitment rubs off on other professors, too." ■

Excellence in teaching is the 'bottom line'

By Dan Rubinstein

His livestock growth and meat production class has been finished for several minutes, but agricultural, food and nutritional sciences professor Dr. Mick Price is in no rush to end the impromptu chat session that's spilled out into the corridor.

"Come see me in my office later," he says to a student as the group begins to disperse. "Where is your office?" the man responds.

"You'd better find out," quips Price. "If you don't know where my office is, you don't pass my course."

It's that informal, down-to-earth nature that has been endearing students to Price for more than two decades. But it's also his enthusiasm for agriculture—and his love of teaching—that makes Price such an exemplary instructor.

"He's got a passion for the subject that keeps us interested," says fifth-year agriculture student Sharon Choney. "He relates things to real life."

"He gets the class involved and really makes you think about concepts," adds Owen Nelsen, who's in his third year in the program. "He asks a lot of questions and gets a lot of responses."

Price came to the University of Alberta 25 years ago from his native Australia on a post-doctoral fellowship. He never left. Those were the days you didn't go looking for jobs, he says. They came looking for you.

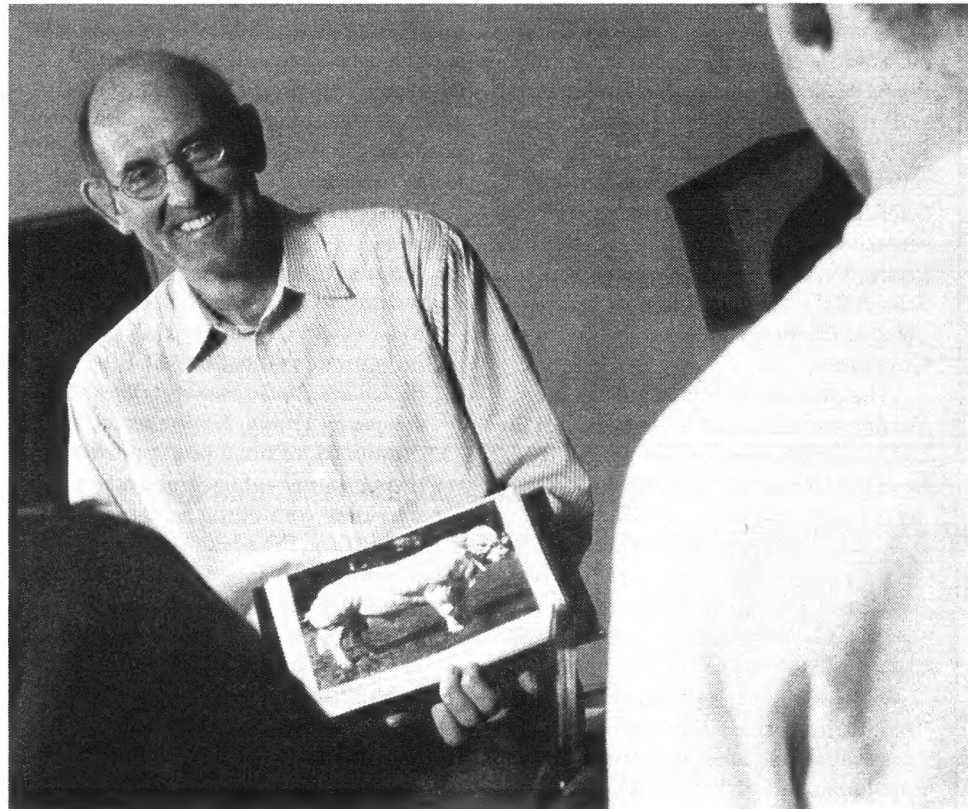
"They made me an offer I couldn't refuse," he recalls. "But if they didn't pay me, I'd probably pay them to let me do

this. It's an incredible privilege to work with the brightest young minds in the country."

Although the U of A officially deems teaching and research equally important, Price feels research is generally held in higher esteem. To him, however, teaching is the bottom line. That's why he's dedicated so much of his time to helping the university's professors become better teachers, through initiatives like peer consultation.

"We've got to have a collegial, institutional environment of great respect for good teaching," he says, "because teaching is the most important thing we do."

In 1974, as a fourth-year undergraduate, current U of A agriculture professor Dr. Ron Ball took a course Price taught.



Price: sharing the skills to great teaching.

Ball remembers the "extraordinary enthusiasm" Price brought to the classroom—it's one of the reasons he went on to get his PhD and eventually join the department.

"That was the year I sort of caught fire in university," says Ball. "Before then, I was sort of bored. It was one of the few courses that got me excited about learning." ■

No limits in *Boundaries*

By Gilbert A. Bouchard

It seems only fitting for a writer like Professor Emeritus Robert Wilson, a natural edge-dweller and dedicated explorer of the varied states of human condition, to be published by the University of Alberta Press in its interdisciplinary series called Currents. After all, it evokes images of the multitude of streams, speeds, flows and eddies one finds on even the most pedestrian of rivers or creeks.

“My book *Boundaries, and Other Fictions* has 32 or 33 short stories that explore where boundaries come in,” explains Dr. Wilson. “Some boundaries are geographical, others cultural, psychological, gender, sexual—I was trying to find as many different angles to the idea of boundaries as I could find.” Why boundaries? Well, for Wilson, the idea of boundaries fascinated him in the same way they’ve fascinated so many artists before him.

“Transgressions, which are crossings of boundaries that are not supposed to be crossed, illicit or illegitimate crossings, have always been a subject of artistic interest. The current art show called *Sensation* at the Brooklyn Art Gallery, which I saw in London about five years ago, is about transgressing the tastes and standards of an art-viewing public and has been extremely controversial.

“The boundary state is the state human beings find themselves in all the time,” continues Wilson, who taught in the University of Alberta English department on and off from 1967 to 1996. “We’re always already in some kind boundary condition, on the edge of death, birth, trauma, disaster, catastrophe, love or hate—all kinds of things. This is where you find out what you are, what it means to be human. It’s not surprising that literature turns back to

ideas like boundaries, frontiers, crossings or transgressions.”

Wilson sought to cross lines of style and genre in his collection, writing stories encompassing everything from longer psychologically-oriented tales (featuring a broad swath of character and a fistful of different exotic locals) to short pity allegories or parables that Wilson dubs “metables.” Further befitting the author of *Shakespearean Narrative* and *Palamedes’ Shadow: Explorations in Play, Game and Narrative Theory*, Wilson also sought to deconstruct the story-telling process itself, but in a playful way.

“Modes of storytelling interest me, so I play off each of the psychological or culturally-centered stories against each of the parables.”

While he enjoyed his teaching career intensely and earned

considerable academic success, Wilson is glad to be freed of the intense analytical demands of the profession so that he can concentrate on his other passions: travel, reading and writing.

“The nature of life for an English professor is to be a re-reader, to go over the same things again and again so that it’s fresh in your mind when you engage your students. I must have read *Middlemarch* 11 times and *King Lear* 77 times over the years. I’m enjoying my freedom to read different books now.”

As for the University of Alberta Press and its current collection, Wilson found the whole process of producing the book “very enjoyable” and



Robert Wilson in Paris: “a natural edge-dweller and dedicated explorer of the varied states of human condition.”

praises the series for its exciting and adventurous mandate.

“It’s great that they’re publishing new

fiction and re-publishing works like Robert Kroetsch’s *What the Crow Said* – a beautifully done book.” High praise indeed coming from the author (with Shirley Neuman) of *Labyrinths of Voice: Conversations with Robert Kroetsch*.

With *Boundaries* out of the way, Wilson is currently hard at work putting the finishing touches on a manuscript centering on the idea of disgust in fiction and film. He’s also “two-thirds” of the way through a book about solitude, a work he describes as “a hybrid book that started

life as a scholarly work about Joseph Conrad – a man who knew a lot about solitude.” ■

“Some boundaries are

geographical, others

cultural, psychological,

gender, sexual—I was

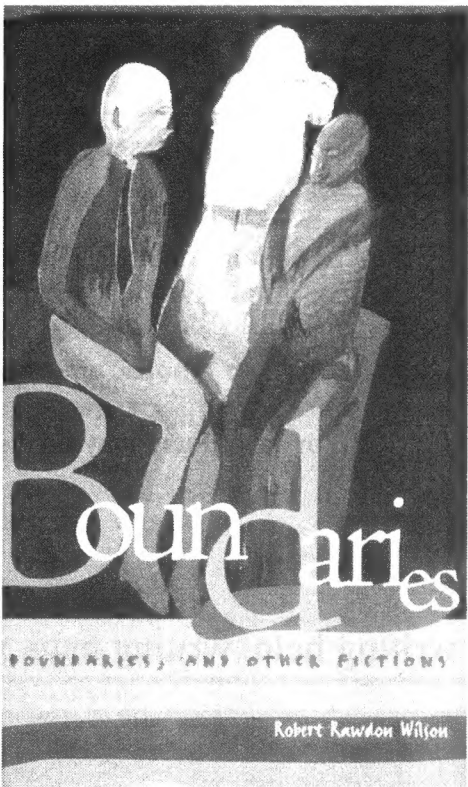
trying to find as many

different angles to the

idea of boundaries as

I could find.”

—Robert Wilson



Nobel laureate promotes value of pure research

By Geoff McMaster

If you could string enough of them together, you’d have the strongest material known to humans—100 times stronger than steel and one-sixth its weight. They might also be used one day to carry radioactive molecules to specific sites in the body, targeting tumors for radiation therapy. And because they have super-conducting potential, they may also be used in the next generation of batteries.

But oddly enough, no one knew these carbon molecules—called C60 Buckminsterfullerene or “bucky balls”—even existed until 1985. That’s when Sir Harold Kroto and his colleagues discovered the molecule “by accident” trying to simulate the chemistry of a red giant star. They vaporized graphite using a laser and found the carbon atoms, thought capable of forming only flat, sheet-like configurations, formed into geodesic cages resembling soccer balls.

It’s not that they don’t do this naturally on earth. In fact, as the University of Sus-

sex chemistry professor points out, anyone who has turned on a bunsen burner has

made the molecules in minute quantities. But now that they’ve been seen, a new official member of the carbon family, along with graphite and diamond, has been documented.

C60 was named after geodesic domes invented by Buckminster Fuller and was enough to earn Kroto and his team the Nobel Prize for chemistry in 1996. As revolutionary as the discovery was, however, producing an explosion of research documented in about 6,000 papers, Kroto isn’t convinced it’s his best work.

“I’m more proud of my work on phosphoric chemistry and my discovery of carbon chains in space—that’s better science,” he says. “There are some fantastic bits of science that are not deemed so important. But if someone

wants to give me a prize for an accidental discovery ...”

Sir Kroto was on campus for a brief visit late last month to talk about the im-

plications of his work in a talk called “The New Round World of Carbon Chemistry and Materials Science.” But while the bucky ball clearly has a bright future in medicine and engineering, that’s not really what Sir Kroto wanted to talk about.

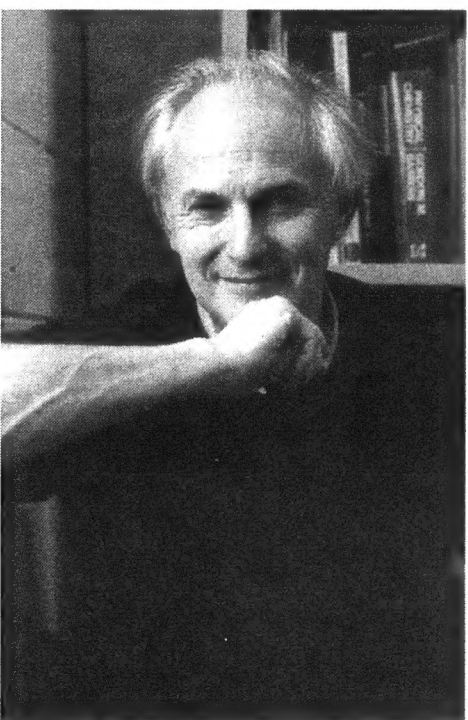
“You want to know about applications? This is a dirty word to me,” he says with a wry smile, going so far as to say “all applied research strategies are second rate,” and that “if you think you know where you’re going, you surely can’t be discovering anything as important as if you don’t.”

What excites Kroto about C60 is not its potential uses, but rather the sheer beauty and the “elegant symmetry” of the molecule, as well as what it’s done to revolutionize our understanding of carbon behavior.

“The implications of the discovery from a fundamental science point of view are that sheet materials form cages—it’s just there, and it’s a beautiful thing,” he says with the conviction of someone who appreciates scientific exploration for its own sake.

Dr. Wolfgang Jaeger, the U of A chemistry professor who organized Kroto’s visit, says the renowned chemist’s success is a testament to the value of pure research.

“New ideas and visions as expressed by Professor Kroto reinforce the importance of a highest quality educational sys-



Kroto: fascination with the sheer beauty and the “elegant symmetry” of the C60 molecule, aka “bucky ball.”

tem,” he says, “and emphasize the need for curiosity-driven, fundamental research for new discoveries. The discovery of the fullerenes has resulted in an entirely new branch of chemistry.” ■

Official Travel Management Company for
the University of Alberta

Carlson Wagonlit Travel



**Meet Lisa Olsen, a part of
your University Travel Team.**

Lisa has been a travel industry
professional for 19 years and
looks forward to assisting with
all your corporate travel needs.

492-7000

E-mail cwtedmontoncentral@ibm.net
#410, 10250 - 101 Street, Edmonton

writing help..writing help..writing help..writing help

to the point

writing consultants

Do you need help making your writing clearer or more concise? The
experienced editors at To The Point can provide students and staff
in any department with professional assistance. We can work with
essays, theses, lab reports, articles, books, speeches, presentations,
and more. We offer expert consultation at affordable rates.

Call or e-mail us today for your free initial assessment!

to.the.point@fido.ca
(780)604-4456 (cell)

writing help..writing help..writing help..writing help

SELECTION COMMITTEE FOR DEAN OF FACULTÉ SAINT-JEAN

As you know, Dean Claudette Tardif's first term as Dean of the Faculté Saint-Jean will end on June 30, 2000 and a Selection Committee has been established in accordance with University regulations. Dr Tardif has indicated that she intends to seek a second term in office.

At this point in its deliberations, the Selection Committee is interested in your opinions about the state of the Faculty under the leadership of the Dean. The Committee believes it is critical that all stakeholders have the opportunity to convey their views to the Committee. Specifically, the Committee is interested in the following:

1. **Leadership** – ability to provide a vision and direction for the Faculty and work towards the strategic goals of the Faculty;
2. **Management** – fairness, balance and effectiveness in decision-making affecting the direction of the Faculty; effectiveness at setting priorities and dealing with issues;
3. **Personnel Management** – issues dealing with the recruitment and retention of faculty, as well as the administration of all personnel in the Faculty;

4. **Contributions** – the contributions of the Dean in the Faculty, University, Community, and Professional Field;
5. **Development** – the success of the Faculty in achieving its goals with resources available;
6. **Communications** – the effectiveness of both internal and external communications;
7. **Other matters.**

If you wish to respond to the above issues, would you please forward your advice no later than **21 November 1999** to my attention: Doug Owrap, Chair, 3-12 University Hall, Edmonton AB T6G 2J9, or via e-mail to doug.owram@ualberta.ca.

In addition, a Faculty Forum with the Dean will be scheduled in the near future. At the Forum, the Dean will discuss his vision for the Faculty for the next five years. Please contact Marion Haggarty-France in my office for more information.

Your views are important to us. Please feel free to contact either myself, or any of the Selection Committee members for additional information.

Thank you for your help.
Doug Owrap, Chair
Selection Committee for
Dean of Faculté Saint-Jean

Dean Selection Committee Contact Information:

| | | |
|------------------------|----------|--|
| Doug Owrap | 492-3443 | doug.owram@ualberta.ca |
| Ron Kratochvil | 492-2918 | brenda.brammar@ualberta.ca |
| Olenka Bilash | 492-5658 | olenka.bilash@ualberta.ca |
| William Street | 492-0605 | wstreet@ualberta.ca |
| Gordon Thomas | 447-9452 | gthomas@teachers.ab.ca |
| Guerin Ouellette | 450-1700 | |
| Marilyn Magnan | 465-6457 | m.magnan@csrn.ab.ca |
| Edmund Aunger | 465-8759 | edmund.aunger@ualberta.ca |
| Ed Blackburn | 465-8723 | Ed.Blackburn@ualberta.ca |
| Yvette Mahé | 465-8770 | ymahe@ualberta.ca |
| Frank McMahon | 465-8724 | mcmahon@ualberta.ca |
| Cindie LeBlanc | 465-8748 | aufsje@hotmail.com |
| Denise Moulun-Pasek | 465-8772 | denise.moulun-pasek@ualberta.ca |
| Louise Villeneuve | 465-8707 | louise.villeneuve@ualberta.ca |
| Marion Haggarty-France | 492-8976 | marion.haggarty-france@ualberta.ca |

MCCALLA PROFESSORSHIPS: SMALL FACULTIES COMMITTEE

Applications are invited from continuing faculty from the Faculties of Extension, Law, Nursing, Pharmacy and Pharmaceutical Sciences, Physical Education and Recreation, Rehabilitation Medicine, Faculté Saint-Jean, School of Native Studies, or Interdisciplinary Research Units.

These prestigious awards provide full-time teaching relief for the period September to April to enable recipients to pursue a research project in Edmonton. Application information is available from Dean's Offices.

Applications must be received by the Associate Vice-President (Academic) by December 1, 1999.

Lord Strathcona Manor
on Saskatchewan Drive

Classic Elegance & Pure Quality

A New Year...

A New Building...

A New Beginning!

It's time to make your move!

This spectacular addition to Edmonton's skyline is situated on the fringe of the City's artistic community and most vibrant commercial district, while offering breathtaking, panoramic views of Edmonton's river valley, one of the most highly acclaimed urban greenways in Canada. Each of the luxury apartments thoughtfully exemplifies personal comfort and good taste.



Now Renting!
Show Suite Open!

Features:

- **2 BEDROOM SUITES**
- 2 Bathrooms
- Fireplace
- 7 Appliances
- Includes Vertical Blinds
- Hardwood Floors
- Forced Air Heating
- Air Conditioning
- Heated Underground Parking
- Roof Top Sundek
- Exercise Room
- Secure Access
- Car Wash Bay
- Adult Living 35+
- **EXCLUSIVE LIVING 5 UNITS PER FLOOR**

SHOW SUITE HOURS:

Mon - Fri 4 pm - 8 pm
Sat & Sun 1 pm - 5 pm

10649 Saskatchewan Dr.

The Address of Distinction

Phone

413-9911 or 919-5367

SELECTION COMMITTEE FOR DEAN OF ENGINEERING

As you know, Dean David Lynch's first term as Dean of the Faculty of Engineering will end on June 30, 2000 and a Selection Committee has been established in accordance with University regulations. Dr Lynch has indicated that he intends to seek a second term in office.

At this point in its deliberations, the Selection Committee is interested in your opinions about the state of the Faculty of Engineering under the leadership of the Dean. The Committee believes it is critical that all stakeholders have the opportunity to convey their views to the Committee. Specifically, the Committee is interested in the following:

- 1. **Leadership** – ability to provide a vision and direction for the Faculty and achieves the strategic goals of the Faculty;
- 2. **Management** – fairness, balance and effectiveness in decision-making affecting the direction of the Faculty; effectiveness at setting priorities and dealing with issues;
- 3. **Personnel Management** – issues dealing with the recruitment and retention of faculty, as well as the administration of all personnel in the Faculty;
- 4. **Contributions** – the contributions of the Dean in the Faculty, University, Community, and Professional Field;
- 5. **Development** – the success of the Faculty in achieving its goals with resources available;
- 6. **Communications** – the effectiveness of both internal and external communications;
- 7. **Other matters.**

If you wish to respond to the above issues, would you please forward your advice no later than **17 November 1999** to my attention: Doug Owrap, Chair, 3-12 University Hall, Edmonton AB T6G 2J9, or via e-mail to doug.owram@ualberta.ca.

In addition, a Faculty Forum with the Dean will be scheduled in the near future. At the Forum, the Dean will discuss his vision for the Faculty for the next five years. If you would like more information about the Forum, please contact Marion Haggarty-France, in my office, at 492-8976 for information.

Your views are important to us. Please feel free to contact either myself, or any of the Selection Committee members for additional information.

Thank you for your help.
Doug Owrap, Chair
Selection Committee for
Dean of Faculty of Engineering

Dean Selection Committee
Contact Information:

| | |
|-------------------------------|----------------|
| Doug Owrap | (780) 492-3443 |
| doug.owram@ualberta.ca | |
| Roger S. Smith | (780) 492-5355 |
| c/o janet.walker@ualberta.ca | |
| Larry McKill | (780) 492-5402 |
| larry.mckill@ualberta.ca | |
| John Clark | (780) 970-6917 |
| jeclark@ieee.org | |
| Samuel T. Ariaratnam | (780) 492-5110 |
| sariaratnam@civil.ualberta.ca | |
| M. David Checkel | (780) 492-2340 |
| dave.checkel@ualberta.ca | |
| Duncan Elliott | (780) 492-5357 |
| duncan.elliott@ualberta.ca | |
| M. Gary Faulkner | (780) 492-3446 |
| gary.faulkner@ualberta.ca | |
| Sieghard E. Wanke | (780) 492-3817 |
| sieg.wanke@ualberta.ca | |
| Cecilia Karin Grufman | (780) 492-8379 |
| linghede@ualberta.ca | |
| Steven C. Pierce | (780) 435-4298 |
| scpierce@ualberta.ca | |
| Phillip Haswell | (780) 492-1486 |
| haswell@ee.ualberta.ca | |

Win tickets to the

Edmonton
Symphony
Orchestra



Enter to win tickets to the ESO's
Master Series Friday, Nov. 19, 1999,
8p.m., at the Winspear Centre
Return this form to Public Affairs,
400 Athabasca Hall, by 2 p.m. Thursday,
Nov. 18, 1999 for your chance to win.
Five tickets to give away!

Name: _____

Phone: _____

Department: _____

Congratulations to last issue's winner:
Dr. Bob Jordan, professor, Department of Chemistry

SELECTION COMMITTEE FOR DEAN OF FACULTY OF PHYSICAL EDUCATION AND RECREATION

As you know, Art Quinney's term as Dean of Faculty of Physical Education and Recreation will end on June 30, 2000 and an Advisory Selection Committee has been established in accordance with University regulations to begin the search for a new Dean.

At this point in its deliberations, the Selection Committee needs your opinions on the leadership needs of the Faculty in the years ahead and any other key issues. Individuals are urged to contact members of the Committee, or write to me as Chair, to express your views on priorities of the Faculty, current issues, and the future direction of the Faculty. In order to facilitate the committee's work, could I please ask that you submit your comments by **17 November, 1999**.

In addition, individuals who may wish to stand as a candidate are invited to apply. Individuals may also nominate others who they feel would be suitable candidates.

Thank you for your assistance.
Doug Owrap, Chair
Selection Committee for Dean of Faculty of Physical Education & Recreation

Dean Selection Committee
Contact Information:

| | |
|--------------------------------|----------|
| Doug Owrap | 492-3443 |
| doug.owram@ualberta.ca | |
| Bill McBlain | 492-5320 |
| c/o brenda.brammar@ualberta.ca | |
| Mark Dale | 492-2816 |
| mark.dale@ualberta.ca | |
| John Kennelly | 492-2131 |
| chair@afns.ualberta.ca | |
| Hugh Hoyles | 492-1010 |
| hugh.hoyles@ualberta.ca | |
| John Barry | 492-3341 |
| john.barry@ualberta.ca | |
| Tom Hinch | 492-2759 |
| tom.hinch@ualberta.ca | |
| Debra Shogan | 492-2163 |
| dshogan@per.ualberta.ca | |
| Dale Schulha | 492-1002 |
| dale.schulha@ualberta.ca | |
| Judy Davidson | 430-1019 |
| jdavidso@ualberta.ca | |
| Chloe Litman | 482-7962 |
| litman@ualberta.ca | |
| Nadine Badry | 492-3893 |
| nadine.badry@ualberta.ca | |

Tower on the Park
Apartment Hotel

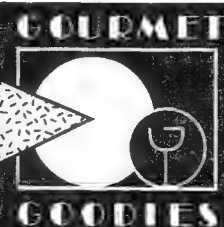


Weekly or Monthly Rates
Available. Corporate, Government
& Group Rates Available.

1-800-720-2179
(780)488-1626

FAX (780)488-0659
EMAIL: info@telusplanet.net

9715-110 Street, EDMONTON



Edmonton's Specialized Catering Company

- Breakfasts • Meetings • Dinner parties • Birthdays • Gift baskets
- Luncheons • Receptions • Anniversaries • Weddings • Gift certificates

CALL
438 1234
GOURMET GOODIES

Display advertisements: Camera-ready artwork is required to size, complete with halftones if necessary. Call 492-0444 for sizes, rates and other particulars.

OFFER YOUR CHILD A
WORLD OF OPPORTUNITIES...

Since 1963 Tempo School has provided quality education based on a classical curriculum. We serve grades 1-12, offering English Grammar, Literature, French, Geography, History, Latin, Math and Science. Small class sizes (fewer than 20 per class), affordable tuition, and a certified, caring staff make Tempo an excellent choice for your child's education.

Admittance is by entrance examination and interview.

visit us on-line: www.compumart.ab.ca/tempo

TEMPO SCHOOL

5603 - 148 St.
Edmonton, AB
T6H 4T7

Tel. 434-1190
Fax. 430-6209

North American Baptist College
Faculty Position in Music

NABC invites applications for a full-time faculty position in Music, effective July 1, 2000.

Candidates must possess or be in the final stages of a Ph.D. degree (or its equivalent). Applicants must be committed to the school's evangelical Baptist beliefs and mission. Canadian citizens and permanent residents of Canada will be given preference. The College is affiliated with the University of Alberta and a number of our Music courses are transferrable to the University. Application deadline is January 15, 2000 or when the position is filled.

Address inquiries with full curriculum vitae to:

Dr. Kevin Quast
Academic Vice President
North American Baptist College
11525 - 23 Avenue
Edmonton, Alberta T6J 4T3
Phone (780) 431-5213
Fax (780) 436-9416
Email: kquast@nabcebe.ab.ca

North American Baptist College
Faculty Position in Sociology

NABC invites applications for a full-time faculty position in Sociology, effective July 1, 2000.

Candidates must possess or be in the final stages of a Ph.D. degree. Ability to teach introductory Psychology courses would be an asset. Applicants must be committed to the school's evangelical Baptist beliefs and mission. Canadian citizens and permanent residents of Canada will be given preference. The College is affiliated with the University of Alberta and our Sociology courses are transferrable to the University. Application deadline is January 15, 2000 or when the position is filled.

Address inquiries with full curriculum vitae to:

Dr. Kevin Quast
Academic Vice President
North American Baptist College
11525 - 23 Avenue
Edmonton, Alberta T6J 4T3
Phone (780) 431-5213
Fax (780) 436-9416
Email: kquast@nabcebe.ab.ca

Dr. Mark Bisby

Director of Programs
Medical Research Council of Canada

**"The Canadian Institute of Health Research:
Research careers in the new millennium"**

Monday, November 15th, 1999
1:00 pm
Classroom F (2J4.02 WMC)

Sponsored by MRC and the Department of Physiology

University Extension Centre



Faculty of Extension
University of Alberta

16 comfortable classrooms
Executive meeting room with
foyer and kitchen



Campus location
Heated parking
AV services
Teleconferencing
Videoconferencing
Technical support
Delicatessen
Reception services
Complimentary
phones

A fully supported
upscale adult learning
facility with a difference

492-5039

www.extension.ualberta.ca/edmedia

the place to meet



Myosymmetries

Professionals in muscle pain rehabilitation

- Are you suffering from chronic arm and wrist pain, back pain, headache, neck and shoulder girdle pain, TMJ pain, or pain from a repetitive strain or sports injury?
- Do you have severe PMS, Chronic Myofascial Pain Syndrome, Fibromyalgia Syndrome, or Chronic Fatigue Syndrome?
- Told that you will just have to learn to live with it?
- Want to get your life back?

Myosymmetries can help!

Myosymmetries clinics in Edmonton and Calgary are pioneers in the use of EEG biofeedback and EEG-Driven Stimulation in the treatment of Chronic Pain, severe PMS, Fibromyalgia and Chronic Fatigue Syndrome. Using a combination of physiological and psychological technologies, Myosymmetries clinics have successfully treated hundreds of such people; with over 85% reporting an increase in restorative sleep, a decrease in fatigue, a sharpening of thought processes, a reduction in depressive and irritable mood, a decrease in overall pain, and a regaining of the life they thought they had long lost.

Myosymmetries clinics are multidisciplinary soft tissue rehabilitation facilities that offer a variety of complementary treatment modalities including EEG neurotherapy, multi-channel surface electromyography (sEMG), biofeedback and neuromuscular retraining, physical therapy employing specialized myofascial pain treatment techniques and prescribed exercise, therapeutic and trigger point massage, and psychological and stress management counselling.

People come to Myosymmetries when all else has failed.

**FOR MORE INFORMATION OR REFERRAL
in Edmonton phone 483-8542**

Myosymmetries International Inc. (Edmonton)
216 Denton Centre, 14925-111 Avenue
Edmonton, Alberta T5M 2P6

e-mail: myoed@telusplanet.com

see our website at: www.MyosymmetriesEdmonton.com

talks

Submit talks to Brenda Briggs by 9 a.m. one week prior to publication. Fax 492-2997 or e-mail at public.affairs@ualberta.ca.

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

December 9, 4:00 pm

Celebration: 10th Anniversary of the Peter Jacyk Centre for Ukrainian Historical Research and the Publication of Volume 7 of Mykhailo Hrushevsky's "History of Ukraine-Rus'." Faculty Club. Info: 492-2972 or cuis@gpu.srv.ualberta.ca

December 10, 2:00 pm

Dr. Paul Bushkovitch, Dept of History, Yale University, "Ukrainian and Russian Elites 1654 - 1725: Informal Relations and Formal Politics." Room 352 Athabasca Hall.

CENTRE FOR HEALTH PROMOTION STUDIES

November 23, 4:30 - 5:30 pm

Dr. Gene Krupa, "Creating coalitions for health promotion: Lessons from child development and respiratory health initiatives in Kelowna, BC." Room 1-5 Business Building. Free admission. Open to everyone. Refreshments provided. Info: 492-4039.

CENTRE FOR RESEARCH ON LITERACY

November 25, 12:30 - 2:00 pm

Literacy research luncheon: Flo Brokop and Pat Campbell, "Reading Assessment for Adults." 651a Education South. RSVP: Paula Kelly, 492-4250 ext. 292 or paula.kelly@ualberta.ca

DEPARTMENT OF BIOLOGICAL SCIENCES

November 18, 4:00 pm

Dr. Hugh Danks, Canadian Museum of Nature, Ottawa, "Insect life cycles: ways to study their diversity, control and evolution." TBW-1.

November 25, 4:00 pm

Louis Morneau, U of A, "In the land of EMEND where the moths thrive." TBW-1.

Plant Biology (part of the Botany 600 seminar series)

November 19, 10:00 am

Paulus Bhujia, "The activity of 1,3-beta-glucan synthase II in aluminum-sensitive and aluminum-resistant cultivars of *Triticum aestivum* L." (MSc thesis seminar) Room M-141 Biological Sciences Building.

Molecular Biology and Genetics Research Group (part of the Genetics 605 seminar series)

November 12, 3:30 p.m.

Chiayang Wang, "Role of chromosomal rearrangements in cancer development." Room M-149 Biological Sciences Building.

Ecology Seminar Series (part of the Biology 631 seminar series)

November 12, 12:00 noon

Cristina Mourelle, "Light transmission by trees at forest edges: an analysis of architectural characteristics." Room M-137 Biological Sciences Building.

November 19, 12:00 noon

Andrew Hansen, "Influence of abiotic factors and land use on bird populations in Greater Yellowstone." Room M-137 Biological Sciences Building

November 26, 12:00 noon

Scott Stevens, "Swinging squirrels, but who gets results?" Room M-137 Biological Sciences Building.

Physiology, Cell and Developmental Biology Research Group (part of the Biology 642 seminar series)

November 17, 12:00 noon

Shihuan Kuang, "Regulation of ciliary activity by identified neurons in *Helisoma trivolvis*." Room B-105 Biological Sciences Building.

November 24, 12:00 noon

Pam Hall, "Involvement of Calcium in Maize Fertilization." Room B-105 Biological Sciences Building.

DEPARTMENT OF CELL BIOLOGY

November 15, 10:00 am

Dr. Kaushik Patel, University of Nebraska Medical Centre, "Neurohormonal Activation in Heart Failure: NO Brakes." Seminar Room 5-10, Medical Sciences Building.

DEPARTMENT OF CHEMICAL AND MATERIALS ENGINEERING

November 18, 3:30 pm

Geza Horvath-Szabo, Dept of Colloid Chemistry, Eotvos University, Budapest, Hungary, "The Introduction and Measurement of the Surface Excess Volume." 343 Chemical and Materials Engineering Building.

DEPARTMENT OF ECONOMICS

November 26, 3:00 pm

Kai Li, UBC, "An Econometric Model of Birth Inputs and Outputs for Native Americans." Tory 8-22.

DEPARTMENT OF ENGLISH

November 25, 2:00 pm

Cecily Devereux and Katherine Binhammer, "Post-Feminism and Feminism: Gender Meets Girl Power." L-3.

DEPARTMENT OF HISTORY AND CLASSICS

November 18, 3:30 pm

Chris Mackay, "The electoral organization of the Roman People under the Early Empire." L.H. Thomas Room, Tory 2-58.

November 25, 7:30 pm

The Archeological Institute of America, Edmonton Society presents Dr. Helena Fracchia, "Between Iron Age villages and urban development: the Roccagloriosa model." Humanities L1. Info: 492-4569.

December 2, 3:30 pm

Paul Voisey, "What is the Purpose of a Rural Weekly Newspaper?" L.H. Thomas Room, Tory 2-58.

DEPARTMENT OF MEDICAL GENETICS

November 17, 12:00 - 1:00 pm

Medical Genetics Rounds: Dr. Lara Cullen, "Molecular analysis of hereditary haemochromatosis." Room 2-07 HMSC.

November 24, 12:00 - 1:00 pm

Medical Genetics Rounds: Dr. Alan Underhill, "Deciphering the molecular basis of neural tube defects in the mouse loop-tail mutant." Room 2-07 HMSC.

DEPARTMENT OF MODERN LANGUAGES AND CULTURAL STUDIES

November 17, 3:00 pm

Russia and the West: Cultural Differences (informal seminar series). Mikhail Dmitriev, Moscow Lomonosov University, "Saints and Sainthood in Russia and the West." Room 3-26 Arts (Senate Chamber).

DEPARTMENT OF PHARMACOLOGY

November 18, 6:30 - 9:30 pm

Dr. Nicholas Coupland, Dr. Jean-Michel Le Mellédo, and Dr. Glen Baker, "Panic Disorder: Is there a link between neurobiological findings and pharmacotherapy?" Room 207 HMRC.

DEPARTMENT OF PHILOSOPHY

November 12, 3:30 pm

Colloquium: Martin Tweedale, "Three Truth-Valves and the Sea Battle: Further Thoughts on De Int.9." Humanities 4-29.

November 17, 3:30 pm

David Loy, Bunkyo University, Japan, "What's Wrong with *Being and Time*: A Buddhist Critique." Humanities 4-29.

November 19, 3:30 pm

Colloquium: Henry Schuurman, Kings University College, "Ivan, Evil, and the Problem of Love." Humanities 4-29.

notices

Please send notices attention Folio 400 Athabasca Hall, University of Alberta, T6G 2E8 or e-mail public.affairs@ualberta.ca. Notices should be received by 3 p.m. one week prior to publication.

COMMUNITY-UNIVERSITY RESEARCH ALLIANCE

The Community-University Research Alliance (CURA) is asking faculty members interested in the arts and arts communities to participate in an application to create a CURA related to the local and global arts communities. This is a **preliminary planning session** to identify individuals who want to take part in this application. This is a new SSHRC-funded program that offers grants for core funding of up to \$200,000 per year for three years, renewable once. The first year of the program was 1999. Out of eight Letters of Intent submitted by this university, three were invited to submit full proposals. Deadline date is Oct.1, 2000. For further information: www.sshrc.ca/english/programinfo/grantsguide/cura.html

WATCH THE TRANSIT OF MERCURY IN THE OBSERVATORY

On Monday, November 15, 1999, the planet of Mercury will pass across the disc of the Sun between approximately 2:15 pm and 3:06 pm MST. If weather

conditions are favorable, the Campus Observatory (7th floor, Physics Building) will be open between 2:00-3:15 p.m.

Transits of Mercury occur, on average, 13 times per century. Fewer than half of those will be visible from any one geographic location. The last transit visible from Edmonton occurred on Nov.10, 1973. This 1999 event is unusual in that it is a "graze": Mercury will appear to pass just inside the northern limb of the Sun. For information contact Dr. D.P. Hube at 492-5410 or dhube@phys.ualberta.ca.

PERCEPTIONS OF PSYCHOTHERAPY

The University of Alberta's Department of Psychiatry needs volunteers to study perceptions of psychotherapy. This four-hour study involves volunteers giving their perceptions of videotapes of psychotherapy scenes, filling out personality forms, and being interviewed about their relationships. One in four reviews the videos a month later. Feedback is available. Volunteers can withdraw from the study at any time. For information, call: Maarit Cristall at 407-6501.

DEPARTMENT OF PHYSICS

November 12, 3:15 pm

Colloquium: Dr. J.P. Whitehead, "Teaching First-year Physics with Computers. Physics 1054: A Case Study." Room V-129.

November 19, 3:15 pm

Joint colloquium with Institute for Geophysical Research, Mr. Harvey Smith, President, Hibernia Management and Development Company Ltd., St. Johns, Nfld., "Hibernia: Pioneering a New Industry." Room V-129.

November 25, 3:00 pm

In association with Canadian Geophysical Union, Richard Peltier, "Mantle Convection, 'Mixing' and Earth Evolution." Room V-129.

DEPARTMENT OF POLITICAL SCIENCE

November 18, 3:30 pm

Political Science Speakers Series: Daiva Stasiulis, "Negotiating the Citizenship Divide: Legal and Political Strategies of Foreign Domestic Workers." Tory 10-4.

November 25, 3:30 pm

Political Science Speakers Series: Reg Whitaker, "From the Surveillance State to the Surveillance Society." Tory 10-4.

DEPARTMENT OF PSYCHOLOGY

Centre for Research in Child Development

November 12, 1:00 - 2:30 pm

Judee Onyskiw, Faculty of Nursing, "Children's Responses to Witnessing Physical Aggression in their Families." P-218 Biological Sciences Building.

November 26, 1:00 - 2:30 pm

Elena Nicoladis, "The Speech-gesture System: Evidence from Bilingual Children." P-218 Biological Sciences Building.

DEPARTMENT OF PUBLIC HEALTH SCIENCES

November 17, 12:00 - 1:00 pm

Health Policy and Management, Ms. Corrine Truman, PhD candidate, "Articulating Program Theory in Managed Care for the Frail Elderly." Classroom D (2F1.04 WMC).

DEPARTMENT OF RENEWABLE RESOURCES

November 18, 12:30 - 1:50 pm

Dr. Dan Heaney, Dr. Mohamed Amrani, Mr. Ralph Wright, Dr. Vanessa Bailey, "Phosphorus Loading and Associated Mobility with Livestock Manure Application." Room 2-36 Earth Sciences Building.

November 25, 12:30 - 1:50 pm

Mr. Fred Moffat, Environmental Protection, Edmonton, "An Overview of the Natural Heritage Act." Room 2-36 Earth Sciences Building.

DEPARTMENT OF RURAL ECONOMY

November 15, 1:00 pm

Desmond Ng, National Soybean Research Laboratory, "Cognitive Dissonance in the Swine Value Chain." 550 GSB.

December 6, 3:00 pm

Sabina Shaikh, UBC, "Theoretical and Empirical Results of a Time and Money Constrained Recreation Demand Model: The Case of California Gray Whale Watching." 550 GSB.

ENVIRONMENTAL RESEARCH AND STUDIES CENTRE

November 18, 4:30 pm

Dr. Robert Page, TransAlta, "International Politics of Global Climate Change Science." Alumni Room, SUB.

November 22, 3:00 - 4:30 pm

In association with Centre for Performance Measurement and Management: Ms. Anita Burke, Royal Dutch/Shell Group, "Towards an Industrial Ecology of Commerce at Royal/Dutch Shell." 5th Floor, Stollery Centre. Info: 492-1371.

FACULTY OF MEDICINE AND DENTISTRY

November 24, 4:00 pm

In association with the Alberta Heritage Foundation for Medical Research and the Department of Public Health Sciences, Inaugural Douglas R. Wilson Lectureship: Marc Renaud, President, Social Sciences and Humanities Research Council, "Why are some people healthy and others not? and what can be done about it?" Bernard Snell Hall.

INTERNATIONAL INSTITUTE FOR QUALITATIVE METHODOLOGY

November 15, 3:00 - 4:00 pm

Dr. Michael Agar, Professor Emeritus, Dept of Anthropology, University of Maryland and Adjunct Professor, IIQM, "Complex Research and Passionate Practice: The Enlightenment of Casual Friday." 2-117 Clinical Sciences Building. Reception to follow at IIQM, 6-10 University Extension Centre. Info: 492-9041.

November 16

Dr. Vivien Hollis, Dept of Occupational Therapy, "Issues in the Collection and Analysis of Video Data." Info: 492-9041.

JOHN DOSSETOR HEALTH ETHICS CENTRE

November 17, 12:00 - 1:00 pm

Health Ethics Seminar Series: David Loy, Bunkyo University, Japan, "Remaking Ourselves: Asian Wisdom looks at the Ethics of Genetic Engineering." Room 227, Aberhart Centre Two. All welcome. Info: 492-6676.

SOCIETY OF THE SIGMA XI, U OF A CHAPTER

November 24, 7:45 pm

Mike Russell, Biological Sciences, "Genes programming pattern formation in development and evolution." 2-35 Corbett Hall.

TEACHING SUPPORT & RESOURCE OFFICE, FACULTY OF NURSING

November 12, 12:00 - 1:00 pm

Teaching Matters Series: Olive Yonge, Faculty of Nursing, "Plagiarism & Cheating: Boundary Crossing." 6-102 Clinical Sciences.

December 9, 12:00 - 1:00 pm

Teaching Matters Series: Bev Williams, Faculty of Nursing, "Thinking Styles." 6-102 Clinical Sciences.

UNIVERSITY TEACHING SERVICES

November 15, 3:00 - 4:30 pm

Ross Hodgetts, Biological Sciences, "Ethical Issues in the Conduct of Science." CAB 281.

November 16, 3:30 - 4:30 pm

Jeanette Boman, Nursing, "Action Research: Becoming Critically Reflective." CAB 281.

November 17, 3:30 - 4:30 pm

Norm Friesen, Academic Technologies for Learning, "Website Design." Education North 2-111.

November 18, 4:00 - 6:00 pm

Brad Hestbak, "Making a Presentation II: PowerPoint for Beginners." Technology Training Centre B-05C (Cameron). Audience: Enrollment limited.

November 22, 3:00 - 4:30 pm

Katy Campbell, Academic Technologies for Learning, "Using Conferencing to Enhance Learning: Asynchronous Tools." Education North 2-111.

November 23, 3:30 - 5:00 pm

Graham Chambers, Mick Price and Olive Yonge, "Cheating, Plagiarism, and Misrepresentation of Facts." CAB 281.

November 25, 3:30 - 5:30 pm

Katy Campbell, Academic Technologies for Learning, "Making a Presentation III: From Course Notes to Slide Show." Technology Training Centre B-05C (Cameron). Audience: Enrollment limited.

REVIEW OF THE VICE-PRESIDENT (ACADEMIC) AND PROVOST: INPUT FROM THE COMMUNITY

Dr. Doug O'wram's first term as Vice-President (Academic) and Provost will end on June 30, 2000. Dr. O'wram has indicated that he intends to seek a second term of office and, thus, a Review Committee has been established in accordance with University regulations.

The Review Committee believes it is essential that members of the University community have the opportunity to convey their views to the Committee. Individuals are welcome to express their view on priorities of the Vice-President (Academic) and Provost; current issues; leadership; and the future direction of the Office of Vice-President (Academic) and Provost.

The members of the Review Committee are:

| | |
|---|--------------------------------|
| Rod Fraser, President | president@ualberta.ca |
| Ross Grieve, Board Member | ragrieve@pcl.ca |
| Lloyd Malin, Board Member | lloyd.malin@frasermilner.com |
| Terry Anderson, Acad Staff Rep | terry.anderson@ualberta.ca |
| Ed Blackburn, Acad Staff Rep | ed.blackburn@ualberta.ca |
| Margaret Van de Pitte, Acad Staff Rep | mm.vandepitte@ualberta.ca |
| David Lynch, Dean | dave.lynch@ualberta.ca |
| Prem Talwar, Chair | ptalwar@gpu.srv.ualberta.ca |
| Wayne Renke, AAS:UA Rep | wrenke@law.ualberta.ca |
| Naomi Agard, SU Rep | nagard@ualberta.ca |
| TJ Adhihetty, SU Rep | tj.adhihetty@su.ualberta.ca |
| Lily Cho, GSA Rep | lcho@ualberta.ca |
| Cliff Wilkinson, NASA Rep | clifford.wilkinson@ualberta.ca |

demic) and Provost. In order to facilitate the Committee's work, kindly send your comments and/or suggestions **by Monday, November 15, 1999** to any member of the Review Committee or to:

Ellen Schoeck, Secretary to the Review Committee for Vice-President (Academic) and Provost
2-5 University Hall
University of Alberta, T6G 2J9
Telephone Number: (780) 492-5430
E-mail address: ellen.schoeck@ualberta.ca
Confidential Fax Number: (780) 492-2693

Dr. Catherine Fletcher, Family Dentistry

980, 8215-112 St. Edmonton, AB

Ph: 439-2266



Our dental practice is unique in its approach. We believe in choices. Your Choices!

We are dedicated to listening and providing choices for restoring and maintaining your dental health in a friendly, comfortable, caring atmosphere.

Our dental services include:

Teeth Whitening Dentures Dental hygiene
Major restorative and cosmetic dentistry - fillings, crowns, bridges, and veneers.
Dentistry for children

Visit our website at www.fletcherdentist.ab.ca



WORKPLACE WELLNESS ONLINE!

Visit us at: <http://www.ualberta.ca/~hrgroup/www/index.htm>

- Practical Tips
- Initiative Updates
- Staff Recognition
- Contests & Prizes
- Links to U of A Wellness Providers

Send us your wellness suggestions for a chance to win great prizes every month.

Can't access the Web?

CONTACT US AT 492-7125



UNIVERSITY OF ALBERTA

Rutherford Awards for Excellence in Undergraduate Teaching

The GFC Undergraduate Teaching Awards Committee (UTAC) announces to the University community that nominations are now being sought for the annual Rutherford Award for Excellence in Undergraduate Teaching.

The purpose of the Rutherford Award is to recognize excellent teaching, to publicize such excellence to the University and the wider community, to encourage the pursuit of excellence in teaching, and to promote informed discussion of teaching and its improvement at the University of Alberta.

Nominations are made by Faculties that teach undergraduate students, and information about the nomination procedures and adjudication criteria has been sent to those Faculties. Nominations should be made through a Faculty committee and submitted by the Faculty to the Secretary of UTAC, 2-5 University Hall. Anyone who needs assistance and advice in preparing nominations should contact Ms Bente Roed, Director, University Teaching Services, 215 Central Academic Building (492-2826). The deadline for receipt of award nominations is **4:00 pm, Monday, February 28, 2000**. In most cases, individual Faculties have established earlier deadlines to allow for internal adjudication procedures.

At least one award, but not more than five, is given annually. Award recipients are publicly recognized at a special occasion, at Convocation, and at the Celebration of Teaching and Learning. They also receive a memento and a cash prize of \$2,500.

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act.

Did you know?

Approximately 80% of a kitchen renovation is recovered on resale. Only bathrooms, windows and painting are more popular renovations than kitchen improvements.

We like cooks.

•39% of Canadian home owners plan to stay in their home indefinitely —CMHC

MITCHELL

RENOVATIONS

459-2011 Since 1981
Bonded•Licensed•BBB Member
Insured•References•Free in-home estimates

Quality Service Guaranteed

THE LIBRARY

**U OF A STAFF SPECIAL
10% Off Menu Items**

Check out our daily specials
Singapore/Malaysian Cuisine

KAREOKE ON SATURDAYS 9 PM

Big Rock \$8.95 Jug
Sing & Win Big Rock Gifts

MON TUES & WED AFTER 7 PM
\$3.25/pint

Canadian/Kokanee Jug \$8.95

Big Rock Jug \$9.95

Highballs \$2.95

Exotic Shooters \$3.50

11113 -87 AVE

(opposite TELUS Construction Site)

439-4981

Paul Lorieau's University Optical



"We value your eyes, and we'll prove it by offering the very best in optical care at everyday low prices."

433-5500

Conveniently located in College Plaza
8217 - 112 Street, Edmonton, AB T6G 2C8

SHARP'S AUDIO-VISUAL AND THE UNIVERSITY OF ALBERTA... TAKING CLASSROOMS INTO THE NEW MILLENNIUM.

Video & Data Projection
Audio Systems
Videoconferencing
Integrated Control Systems
Presentation Accessories

sharp's audio-visual ltd.

10552 106 Street Edmonton, Alberta T5H 2X6 Telephone: (780) 426-7454 Fax: (780) 426-0724 Web: www.sharpsav.com

"The Use of Trusts in Estate Planning"

A FREE SEMINAR

Points to be Reviewed:

- ▶ "trusts" defined
- ▶ types of trusts available
- ▶ implementing trusts for your estate plan

Date: Wednesday, December 1, 1999

Location: Alumni House, University of Alberta

Time: 5:00 to 6:00 pm

Your Hosts: Luciano Competrini Remi G. St. Pierre
Investment Advisor McCuaig Desrochers
TD Evergreen

Seating is limited, reservations are required. Please contact Luciano by e-mail (compel@tdbank.ca) or by phone @ 448-8519

This seminar sponsored in part by:

TD EVERGREEN
WEALTH MANAGEMENT

McCuaig Desrochers
BARRISTERS SOLICITORS AVOCATS

*Trademark of TD Bank. TD Evergreen is a division of TD Securities Inc. a subsidiary of the TD Bank and a licensed user of TD Bank trade marks. Member CIPF.
All Estate Planning and Insurance products are offered through TD Evergreen Financial Services Inc. by licensed insurance agents.

events

CAREERS

CAREER AND PLACEMENT SERVICES

November 16, 5:00 pm

Materials Engineering Career Forum in Room 344
Chemical Materials Engineering Building.

November 16, 6:00 pm

Physical Therapy Career Forum in Room 207
Corbett Hall.

November 17, 5:30 pm

Med Lab Science Career Forum in Room B-103
Clinical Sciences. Admission for above forums: \$4/students in advance, \$5/student at door, \$8/non-students.

November 18, 1:00 - 7:00 pm

Health Sciences Career Fair, Dinwoodie Lounge,
2nd Floor, SUB. Admission free.

Info on the above: CaPS 492-4291 or
www.ualberta.ca/caps

CONFERENCE

DEPARTMENT OF COMPUTING SCIENCE

November 25, 8:00 - 11:30 am

Interactive student forum for students, employers and career educators: "The Nexus Generation Speaks Out," being held at Grant MacEwan Community College downtown campus. Sponsored by the Canadian Association of Career Educators and Employers (CACEE). Registration deadline: November 19. Info: Britta at 492-5198 or CACEE at (403) 283-3560 or www.cacee.com

UNIVERSITY OF ALBERTA AFRICA SOCIETY

February 25 - 26, 2000

Two-day conference, keynote speaker Wole Soyinka, 1986 Nobel Laureate in Literature, "Prospects for an African Renaissance: Culture, Development, Reconciliation." At the U of A. Info: www.ualberta.ca/~afso/conference.html or U of A International Centre 492-1134 or The Africa Society 438-5708/1-888-282-4005.

CHRISTMAS CRAFT SALE

DEVONIAN BOTANIC GARDEN CRAFTERS' ASSOCIATION

November 27 and 28, 11:00 am - 4:00 pm

The Crafters' Association invites you to their annual Christmas Craft Sale, to be held at the Devonian Botanic Garden, 5 km north of Devon on Hwy 60. Enjoy a free sleigh ride on November 28 from 1:00 - 4:00 pm. Lunch and refreshments available on both days. Free admission. Info: Helga van Meurs at 987-3061 or jhvmeurs@attcanada.net

EXHIBITION

EXTENSION CENTRE GALLERY

October 25 to November 26

Agnieszka Matejko, "Reflections - Sculpture and Relief." Hours: Monday to Thursday, 8:30 am to 8:00 pm; Friday, 8:30 am to 4:30 pm; Saturday, 9:00 am to 12:00 noon. Room 2-54 University Extension Centre. Info: 492-3034.

MANAGEMENT PROGRAMS

BANFF CENTRE FOR MANAGEMENT

November 28 - December 2

"Managing in the Middle." Info: Phone 1-800-590-9799 or website www.banffmanagement.com. Win your tuition by filling out survey at www.banffmanagement.com/survey_form.asp

MUSIC

DEPARTMENT OF MUSIC

November 12, 8:00 pm

Faculty Recital: Tanya Prochazka, cello, "One Cello, Many Voices." Includes works by JS Bach, Britten, Duport, Piatti, Sculthorpe. Admission: \$5/student/senior, \$10/adult. Convocation Hall, Arts Building.

November 14, 8:00 pm

Master of Music Recital: Anita Ho, piano. Program TBA. Free admission.

November 15, 12:00 pm

Noon-Hour Organ Recital: Wendy Markowsky, University of Bloomington. Program TBA. Free admission.

November 17, 6:00 pm

U of A Symphony Orchestra Piano concerto Competition. Works by Brahms, Chopin, Mozart, others. Winner will perform with U of A Orchestra at concert in Winspear, April 9, 2000. Free admission.

November 19, 8:00 pm

Madrigal Singers Concert. Leonard Ratcliff, conductor. West End Christian Reformed Church, 10015 - 149 Street, Edmonton. Admission: \$5/student/senior, \$10/adult.

November 21, 2:00 pm

Faculty Recital: Allison Storochuk, clarinet, with Roger Admiral, piano. Works by Brahms, György, Lovreglio, Mandat, Davies, Smith. Admission: \$5/student/senior, \$10/adult.

November 26, 2:00 pm

Music at Convocation Hall: Stéphane Lemelin, piano; Martin Riseley, violin; Aaron Au, viola; Tanya Prochazka, violoncello. Chamber music. Admission: \$5/student/senior, \$10/adult.

November 28, 8:00 pm

Opera Scenes: Harold Wiens, director. Program TBA. Convocation Hall. Admission: \$5/student/senior, \$10/adult.

PHILOSOPHERS CAFÉ

WHAT IS TRUTH?

November 20, 2:30 - 4:00 pm

The University of Alberta invites you to attend an afternoon of thoughtful conversation at Continental Treat Bistro, 10560 - 82 (Whyte) Avenue, to discuss the topic, "What is Truth?" No formal philosophy training required; real life experience desired. Info: 492-0443 or 492-2325.

THEATRE

STUDIO THEATRE

December 1 - 11

George F. Walker's "Zastrozzi." Box Office: 492-2495. Timms Centre for the Arts.

WORKSHOPS

St. Stephen's College Lecture and Workshops, "The Snow Queen: A Fairy Tale as a Therapeutic Tool." Lecture - November 22, 7:00 - 9:00 pm, \$10.00. Workshops - November 29 and December 6, 7:00 - 9:00 pm, \$30.00. Both are open to the public, payment at the door. Info: 439-7311.

ads

Ads are charged at \$0.55 per word. Minimum charge: \$3.00. All advertisements must be paid for in full by cash or cheque at the time of their submission. Bookings may be made by fax or mail provided payment is received by mail prior to the deadline date. Pre-paid accounts can be set up for frequent advertisers. Please call 492-2325 for more information.

ACCOMMODATIONS FOR RENT

CALL NOW! To buy, sell, lease a condominium. \$49,000 to \$450,000. Please ask for Connie Kennedy, condo specialist/consultant, 25 years expertise. Re/Max, 482-6766, 488-4000.

RIVERBEND, BRANDER GARDENS CONDO IN HEARTHSTONE - three bedrooms, two storey, finished basement. Single garage, \$1300 including utilities. Furnished. December 1 - April 15, 2000. Janet Jenner-Fraser, Gordon W.R. King and Associates Real Estate, 441-6441.

COUNTRY CLUB AREA - executive four bedroom, two storey on Wilkin Road. Large family room with fireplace. Fully finished basement. December 1, \$1,800/month. Call Janet Jenner-Fraser for details, Gordon W.R. King and Assoc. R.E., 441-6441.

GLENORA - bright remodelled bungalow with huge open plan kitchen. Formal livingroom and

diningroom, \$1,600/month, December 1, 1999. Call Janet Jenner-Fraser, 441-6441.

CRESTWOOD - University 10 minutes, professor's furnished home. January - March, 2000. Three bedrooms, \$750/month, including utilities. Non-smokers, no pets. References. 452-8224.

TWO BEDROOM 1.5 jacuzzi bathroom, five appliances, fireplace and garage, 468-1579.

ONE BEDROOM, four appliances and fireplace. Furnished or unfurnished, 468-1579.

ACCOMMODATIONS FOR SALE

VICTORIA PROPERTIES - knowledgeable, trustworthy, realtor with Edmonton references. Will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (250) 383-7100, Lois Dutton, Duttons & Co. Ltd. #101 - 364 Moss Street, Victoria, B.C. V8V 4N1

BELGRAVIA/U of A area - delightful condo in the Stratford. Two bedrooms, two full baths. Corner fireplace, spacious kitchen with eating area. Steps to Saskatchewan Drive and river valley. Janet Jenner-Fraser, Gordon W.R. King and Assoc. R.E., 441-6441.

ACCOMMODATIONS WANTED

EXPERIENCED HOUSESITTERS WHO CARE - Responsible, warm, Christian couple willing to provide

positions

The University of Alberta is committed to the principle of equity in employment. As an employer we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disabilities, and members of visible minorities. In accordance with Canadian Immigration requirements, preference will be given to Canadian citizens and permanent residents.

FACULTY OF ENGINEERING

ADMINISTRATIVE PROFESSIONAL OFFICER DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

The Faculty of Engineering at the University of Alberta invites applicants for the position of Administrative Professional Officer in the Department of Electrical & Computer Engineering.

Reporting to the Chair of the Department, this new APO position is responsible for providing a wide-range of support in administrative matters including budget planning. Particular duties include assistance and preparation of new initiatives and funding proposals, counseling of undergraduate and graduate students, involvement with teaching assistants and course assignments, in addition to coordinating various student activities.

Applicants for this challenging and rewarding position should have:

- a University degree, preferably in Engineering or Science
- knowledge of the Engineering program
- at least five years of relevant experience, preferably as an APO, is desirable
- a thorough understanding of University policies and procedures (academic, financial, human resource) would be an asset
- strong interpersonal and organizational skills
- demonstrated competency in written and oral communication.

This Administrative and Professional Officer position has a salary range from \$37,128 to \$55,692 commensurate with qualifications and experience. The deadline for this competition is December 3, 1999, and applications including a résumé, and names of three referees should be sent in confidence to:

Dr. C.E. Capjack, Chair
Dept. of Electrical & Computer Engineering
University of Alberta
238 Civil/Electrical Engineering Building
Edmonton, AB T6G 2G7

FACULTY OF LAW

TENURE TRACK POSITIONS

The Faculty of Law at the University of Alberta invites applications for up to two tenure-track positions at the Assistant, Associate or Full Professor rank. It is expected the vacancies will arise on July 1, 2000. All areas of specialization will be considered. A graduate degree in law is required.

DIRECTOR OF ADMISSIONS

The Faculty of Law invites applications for the Director of Admissions. Reporting to the Dean of Law, the incumbent will be responsible for recruitment, admissions, student records, prizes and awards program, recruitment publications, and the creation and maintenance of a Web site.

University degree required and either LL.B. or 4-5 years managerial experience desirable. Knowledge of technology, including Web creation, preferred. This is an Administrative Professional Officer position with a salary range of \$35,495-\$53,243 per annum.

Please submit a curriculum vitae, copies of law and graduate transcripts (where available), and the names of three referees to:

Dean Lewis Klar
Faculty of Law
Room 485 Law Centre
University of Alberta
Edmonton, AB, T6G 2H5, Canada

The deadline for receipt of applications is January 15, 2000.

FACULTY OF PHYSICAL EDUCATION AND RECREATION DEAN

The University of Alberta invites national and international applications and nominations for the position of Dean of the Faculty of Physical Education and Recreation.

The University of Alberta has a clear vision: to be indisputably recognized nationally and internationally as one of Canada's finest universities. The University plays an integral role in the educational, business, and cultural life of Alberta through the impact of its integrated mandate of teaching, research, and community service. In excess of 4,500 courses are offered in 16 Faculties at the University of Alberta where more than 30,000 students are enrolled.

The Faculty of Physical Education and Recreation is one of the largest programs of its kind in Canada and has the largest doctoral program. The Faculty has 37 faculty members, 33 staff, 850 undergraduate students, and 110 graduate students. The undergraduate programs are highly ranked and attract large numbers of excellent students and several areas of research and graduate study have achieved recognition nationally and internationally. The Faculty offers the following degree programs: BPE, BSc in Kinesiology, BA in Recreation and Leisure Studies and a BPE/BE Combined Degree, as well as graduate studies.

In addition to its academic programs, the Faculty has a full intercollegiate sports program, a large campus recreation program, and operational responsibilities for all University sport and recreation facilities. The expertise and leadership of faculty and coaching staff is broadly recognized and sought out locally, provincially, nationally and internationally. The role of the new Dean will be to build on recent initiatives in the academic, campus recreation and athletic program, to support fund development, and to foster the development of a large cohort of new academic staff. It is expected that the new Dean will position the Faculty to move into the 21st century to be a leader in the pursuit and achievement of excellence in sport, leisure and physical activity. For additional information about the Faculty, please consult the Web site located at the following address: <http://www.per.ualberta.ca/>

The Dean is responsible to the Vice-President (Academic) and Provost for the supervision and administration of academic programs, budget, and all activities of the Faculty. Candidates should have proven administrative experience, well-developed leadership skills, a strong academic background, and be committed to excellence in teaching and research. The appointment will take effect July 1, 2000 or as soon as possible thereafter. The incumbent Dean has completed his term and is not a candidate.

Written nominations for the position, or applications supported by a curriculum vitae and the names of three referees, should be submitted by January 10, 2000 to Dr. Doug Owram, Vice-President (Academic) and Provost, Third Floor, University Hall, University of Alberta, Edmonton, Alberta, Canada, T6G 2J9.

DAVID RICHARDS CARPENTRY. Certified journeyman, NAIT. Complete interior/exterior, residential, commercial renovations including plumbing/electrical. No job too big/small. References available. 436-6363.

BACK BASICS Remedial Massage Therapy. Supplementary Health Care coverage. 436-8059.

MEREDITH OENNING-HODGSON, Psychoanalyst/Therapist (IAAP, DGAP). Fourteen years experience in private practice, Frankfurt. Lecturer at the C.G. Jung Institute, Zurich. Consultation: Couples Therapy, Eating Disorder, Anxiety, Depression, Addiction, Phobia. 10435 Saskatchewan Drive, Edmonton, AB T6E 4R8. Telephone: (780) 433-6494, Fax (780) 439-9087, e-mail: oenning@home.com

CUSTOM FURNISHINGS with sundries, for executives and professionals requiring home ready to go. For details call Western Relocation Services Ltd., (780) 434-4629, jennfra@compusmart.ab.ca

WEALTH CARE INFORMATION SPECIALIST - call 1-800-995-0775, ext.1300.

PROFESSIONAL WEB DESIGN for U of A faculty, students and alumni. Specializing in WebCT implementation, www page building and graphic design. Quality work at a reasonable cost by a U of A graduate. Call Eric at 436-5732 or email: ehaswell@hotmail.com

MEXICO READING WEEK TOUR

- Airfare → Seven Nights Hotel
 - Daily Meals → Unlimited Drinks
 - Parties → Night Club Tours
- All this!! \$1119**

NEWEST TRAVEL 432-7446
8625 - 112 Street (Next to Earl's on Campus)

Retirement!?

Will you have enough?

We help you clarify and achieve your financial goals, by providing professional financial planning and advice without product sales.

Call us for initial consultation without cost or obligation.

429-6775

Ron Graham

C.A., R.F.P., CFP

Certified Financial Planner

100, 10585 - 111 Street, Edmonton, AB.

針灸氣

Colette M. Lehodey

Registered Acupuncturist and Physical Therapist

Cert. M.Ac., CAFCI, R.Ac., B.Sc.P.T., MCPA

The Five Elements Health Centre in McKernan

11208 - 76 Avenue, Edmonton, Alberta T6G 0K1

Tel: (780) 435-9933

Fax: (780) 430-9229

BY APPOINTMENT

- Medical Acupuncture • Traditional Chinese Medicine
- Qi Gong • Physical Therapy

For Your Complementary Health Care Needs

GO FIRST CLASS ON CAMPUS



**University
of
Alberta**

U of A Conference Centre
44 Lister Hall
Edmonton, AB T6G 2H6

Toll Free: 1-800-615-4807

Tel: 780-492-4281

Fax: 780-492-7032

e-mail: conference.services@ualberta.ca

<http://www.hfs.ualberta.ca>

UNIVERSITY OF ALBERTA CONFERENCE CENTRE

The Uof A has the facilities and professional staff to make your conference or meeting a huge success.

- Professional meeting space, classrooms, lecture theatres, videoconferencing and world-class sports facilities
- Summer accommodations for individuals and groups
- Year-round guest housing in hotel-style rooms
- Complete event planning including registration and financial services, site research and selection and on-site management

U of A Accommodation Guide

These facilities have contracted with the University of Alberta to provide accommodations at the rates indicated. Each facility has unique features and offers something to suit everyone's taste.

To accommodate special guests to the University, reservations can be made using the Hotel Authorization Program (HAP) form which allows post-payment by the hosting department.

These rates are per night and are exclusive of convention conference rates which are established by conference/convention organizers. Rates valid to December 31, 1999 unless otherwise noted, taxes not included.



11145 - 87 Avenue
Edmonton, AB T6G 0Y1
Ph: (780) 439-6060
Fax: (780) 433-4410
1-800-661-6562

[www://suitehotelgroup.com](http://www.suitehotelgroup.com)

info@campustower.com

Across the street from all

University facilities.

Free parking.

Free local calls.

single/double
\$69



CHATEAU LACOMBE

10111 Bellamy Hill
Edmonton, AB T5J 1N7
Ph: (780) 428-6611
Fax: (780) 420-8379
1-800-661-8801

cpcl@chateaulacombe.com

www.chateaulacombe.com

An affordably luxurious downtown hotel close to the University of Alberta, shopping and Arts Community.

single/double
\$83



8208 - 106 Street
Edmonton, AB T6E 6R9
Ph: (780) 434-6111
Fax: (780) 439-1195
1-888-515-3355

www.varscona.com

varscona@telusplanet.net

Free continental breakfast, evening wine and cheese tasting, parking and local calls. High speed internet access available. Walking distance to the University.

single/double
\$89

For further information about booking these facilities, contact Joyce Assen at 492-3000, or visit our website: <http://www.financial.ualberta.ca/travel/>

live-in housesitting with TLC for 6 months or more. Non-smokers, no children, no pets. Will do maintenance, yard work, shovelling, etc. Great references. Call Bob or Lenora, 434-6588.

AUTOMOBILES

VW GOLF GL 1998 - excellent condition. Silver, 4-door, AC, stereo, 5000 km, 5-speed plus extras. 438-6311.

GOODS FOR SALE

CASH PAID for quality books. The Edmonton Book Store, 433-1781.

SEE THE MURALS in historic Stony Plain and visit BRIM HANDWORKS on Main (50th) Street, just north of the tracks, offering the best of local crafters in clay, wood, fibre, and metal. 968-1944.

MISCELLANEOUS

CRYSTAL AND GEMSTONE SALE, Parkallen Massage, 6523 - 111 Street, Nov. 26/27, 10 a.m.-9 p.m. Free chair massage. Gift certificates available. Claressa, 437-4850.

SERVICES

TECH VERBATIM EDITING - APA, Chicago; medical terminology; on campus. Donna, 465-3753.



Aerial view of the mark-recapture project site.

Rocky Mountain adventures

Studying Apollo butterflies means you have to catch them first



Keyghobadi on a slow day: Rocky Mountain Apollo butterflies only fly when it's sunny.

By Vivian Zenari

Nusha Keyghobadi knows first-hand the trials of the butterfly hunt. For the past four years, the 27-year-old PhD student in ecology and environmental biology has trekked through the Rocky Mountains in search of *Parnassius smintheus*, or the Rocky Mountain Apollo butterfly.

Sometimes she hikes into butterfly territory with a suitably stalwart companion. At other times, she and a search team are hustled in by helicopter. At all times, Nusha is ready to enter the fray armed with only the best in butterfly equipment: "We just use medium-sized nets," she says.

Medium-sized nets and large doses of patience. That's because the planning and execution of a butterfly capture can test the limits of human endurance. First, Keyghobadi must decide where to look. She uses aerial photographs and landscape classification systems to locate sites of the butterfly's preferred habitat: alpine meadows with stonecrop, the Apollo's vegetation of choice.

After Keyghobadi locates a likely spot, she and her team go to the meadow. There, surrounded by the majesty of the mountains of Kananaskis and Banff national parks, she waits. If all goes well, a flock of the sought-after Apollo butterflies cruise into view. Keyghobadi and her team steel themselves. Then they chase after the winged prey with their nets.

Surprisingly, says Keyghobadi, only one person on her fieldwork team has injured an ankle.

"You run after them, and you aren't looking where you're going," she says. "It's worse when they start to run up hill," she adds. "Then I usually give up."

To add to the difficulty, the Rocky Mountain Apollo butterfly flies only on sunny days. As a result, she can go to a

site only when she knows the day will be bright enough for the butterfly's taste. Having to wait for the sun "can sometimes make it frustrating."

Notwithstanding all the adventure, Keyghobadi has a serious research project

underway. She is studying how changes in landscape, such as the elevation of the tree line, influence the movement of butterfly populations.

She became involved in this research through her supervisor, Dr. Jens Roland.

He was tracking the butterflies' movements by capturing and marking them, and later returning to recapture the marked butterflies to see where they had moved.

For her work, Keyghobadi is using DNA fingerprinting to track the butterfly population's movements. By comparing the genetic material of specimens from different sites, she can find which butterflies are related and therefore determine from where they may have moved. She and Roland recently published their results in *Molecular Ecology*. Keyghobadi is now working on a study that expands the initial 12-kilometre sampling area to a 100-kilometre area, this time using only genetic fingerprinting to track the insects.

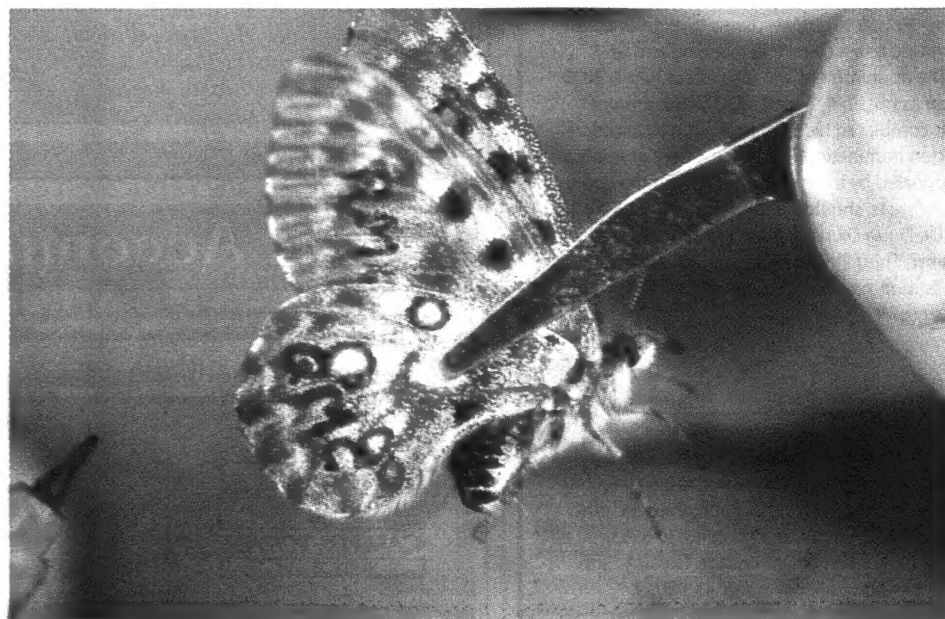
Keyghobadi's family is mystified by her research at times. "They think it's a little bit strange. My mother doesn't think I'll be able to eat because I won't make any money. But they're supportive."

Her family's support has been more than echoed by the academy. Since she has begun her work she has received NSERC grants and a Graduate Student Teaching award. And this year she was awarded a Killam Memorial Scholarship for her research on the Apollo butterfly.

"She's very good," Roland says simply. "When I work on papers with her it's like working with a colleague, not a student."

Keyghobadi hopes her work will help the Rocky Mountain Apollo butterfly escape the fate of European Apollo butterflies, some of which are endangered. She hopes through her work, "we can identify what might be a threat before they decline."

Sounds like more Rocky Mountain adventures lie in store for Keyghobadi. ■



Marking with a three-letter code.

folio **back**
page